

ENERGY PROJECTS AND ACTIVITIES

Students extend their energy knowledge through outreach activities to other students, their families and their community, and document those activities by participating in NEED's Youth Awards Program for Energy Achievement.



GRADE LEVEL
K-12

SUBJECT AREAS
Science
Social Studies
Math
Language Arts
Technology

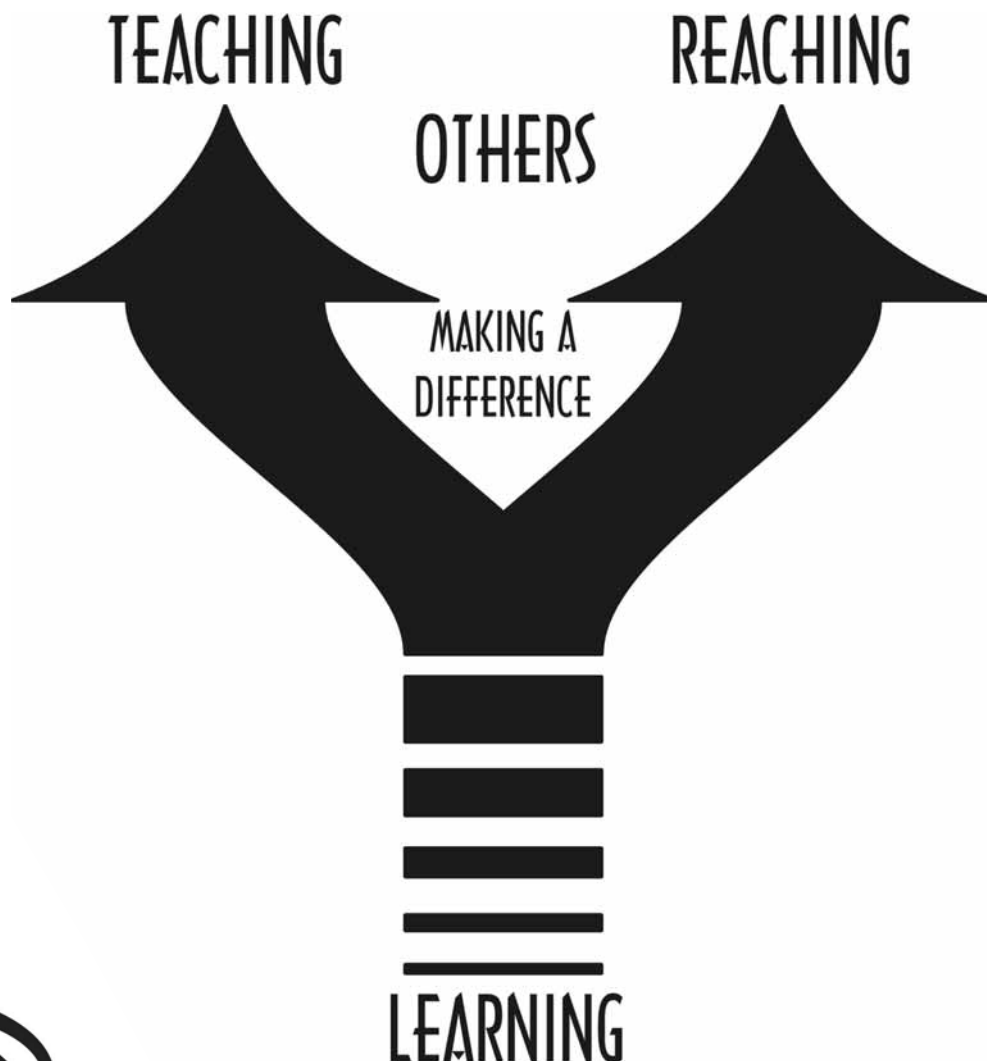


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Activity Guide

BACKGROUND

The activities listed here are designed to empower students to work together to become involved in their schools and communities.

PROCEDURE

Step One—Setting Your Goals

- Decide on the people you want to reach with your activities—your school, the students and families in your school, the elementary or middle schools that feed into your school, your community at large, your community leaders, or community members.
- Decide on the focus for your activities—increased energy awareness, instituting school energy conservation programs, undertaking a community demonstration program, correcting individual problems (such as weatherizing low-income houses), changing individual or group behaviors, or changing community policies.
- Make a separate folder for each of the goals your group has decided to undertake. If your group is large or you have several goals, you may need to divide your group into committees. You can assign a committee of students and designate a committee chairperson for each goal.

Step Two—Developing a Workplan for Each Goal

- Each committee should meet separately to develop a workplan for reaching its assigned goal. The workplan should include a list of your objectives and an estimate of the time, cost, materials, and number of people it will take to accomplish the objectives. Be sure to include any resource people you might need to contact.
- Once the committees have developed workplans for each goal, the group should meet as a whole to discuss the plans, offer suggestions, and make revisions. When the workplans are finalized, the group should develop a master plan that includes all of the workplans. The master plan should include a calendar with a time line that shows when each task should be begun and completed.

Step Three—Implementing Your Workplans

- Post the master calendar in a prominent place. Have group members sign up for the tasks they want to perform. Make sure that each task has a sufficient number of staff. List the staff members responsible for completing each task on the master calendar.
- All of the people who are assigned to a particular project will become the working committee for that goal. The committee should meet to appoint a chairperson and discuss the details of the workplan. The chairperson should make sure that deadlines are met and call meetings if problems arise. The group and the working committees should meet often to ensure that the projects are proceeding as planned.
- Document your activities—share your success with your community and with NEED.

Step Four—Evaluating Your Projects

- Evaluate the progress of the projects at your group meetings and upon completion of the projects. Ask the people with whom you have worked to evaluate the projects. Write up a formal evaluation of each project and an overall evaluation summary of the master plan.
- Use the NEED Energy Poll to evaluate pre and post energy knowledge—or write a poll of your own.

Sample Workplan

GOAL

To increase energy awareness in local elementary schools.

OBJECTIVES

To provide fourth and fifth grade teachers with one-week energy units and materials.

To conduct **Energy Carnivals** at the end of the energy units for fun and reinforcement.

WORKPLAN

Step One: Gain Necessary Permissions; Schedule Dates for Energy Units & Carnivals

- A. Get permission for the project from group sponsor, school principal, and teachers.
Time: 1 hour Deadline: October 1 Staff Needed: 1
- B. Contact elementary school principals and teachers to gain their cooperation and set dates for programs in January. Visits to teachers to introduce energy unit agendas might be necessary.
Time: 20 hours Deadline: October 31 Staff Needed: 5

Step Two: Develop and Deliver Energy Unit Guides & Materials

- A. Decide on activities for energy unit guides. Allot 45 minutes per day for five days. Begin with introductory activities and build on those. Make sure all energy sources are presented.
Time: 2 hours Deadline: October 7 Staff Needed: Whole Committee
- B. Prepare a detailed agenda for the energy unit to present to the teachers. Make copies for each teacher.
Time: 4 hours Deadline: October 14 Staff Needed: 2
- C. Prepare a class set of materials for each teacher conducting the program. Mail with a cover letter offering assistance, if desired.
Time: 12 hours Deadline: November 1 Staff Needed: 6
- D. Make follow-up calls to make sure teachers received materials, to answer any questions, and to confirm dates of programs in January.
Time: 2 hours Deadline: November 15 Staff Needed: 2

Step Three: Fundraising

- A. Visit local businesses and organizations to solicit donations of money and merchandise for carnival prizes. Make sure to let them know that a list of sponsors will be included on the carnival fliers and posted at every carnival.
Time: 12 hours Deadline: January 1 Staff Needed: 12 (Six groups of two)
- B. Write letters to local utilities and energy-related businesses explaining project and requesting donations for prizes. Make follow-up phone calls.
Time: 6 hours Deadline: December 1 Staff Needed: 2
- C. Other fundraising projects—raffles, car washes, bake sales, etc., as needed.

Step Four: Publicity

- A. Make fliers to promote each school carnival. Include sponsors' names. Send to schools to post and to local newspapers, TV and radio stations, the members of the Board of Education, and City Council.
Time: 6 hours Deadline: January 1 Staff Needed: 3
- B. Call newspapers and TV stations the day before each carnival to ask them to attend.
Time: 1 hour Deadline: 1 day before Staff Needed: 1

Step Five: Prepare and Conduct Energy Carnivals

- A. Purchase supplies and construct two sets of carnival games. (Cost: \$20)
Time: 8 hours Deadline: December 1 Staff Needed: 4
- B. Make a master calendar of carnivals to be conducted and secure ten staff people for each carnival.
Time: 2 hours Deadline: December 15 Staff Needed: 1
- C. Purchase merchandise for prizes, if necessary. (Cost: \$50)
Time: 2 hours Deadline: December 31 Staff Needed: 1
- D. Conduct practice carnival sessions to familiarize everyone with roles.
Time: 2 hours Deadline: December 31 Staff Needed: 10 per carnival
- E. Confirm dates and times of carnivals with schools. Explain room set up for carnivals.
Time: 1 hour Deadline: December 31 Staff Needed: 1
- F. Arrange transportation for carnival staff.
Time: 2 hours Deadline: 2 days before Staff Needed: 1
- G. Procure camera for photographer.
Time: 1 hour Deadline: 2 days before Staff Needed: 1
- H. Meet to go over game plan.
Time: 1 hour Deadline: 1 day before Staff Needed: Everyone
- I. Conduct carnival—have fun!!!
Time: 4 hours

Step Six: Evaluation and Follow-up

- A. Prepare and make copies of an evaluation form for participating teachers and students. (Cost: \$25)
Time: 4 hours Deadline: December 31 Staff Needed: 2
- B. Conduct a staff evaluation meeting.
Time: 1 hour Deadline: 1 week after Staff Needed: Everyone
- C. Develop photos and send one copy to schools involved. (Cost \$20/carnival)
Time: 2 hours Deadline: February 1 Staff Needed: 1
- D. Summarize evaluation forms from teachers and students.
Time: 2 hours Deadline: February 1 Staff Needed: 2
- E. Conduct a project evaluation meeting.
Time: 2 hours Deadline: March 1 Staff Needed: Everyone
- F. Prepare a project report using evaluation summaries and photos and submit to NEED.
Time: 4 hours Deadline: March 15 Staff Needed: 4

Suggested Activities

ENERGY PLACEMATS

Design placemats for area restaurants or the school cafeteria to use to educate your community about energy.

- Brainstorm ideas for what you want people to learn about energy from your placemats.
- Design fun placemats with puzzles, jumbles, and trivia questions and answers.
- Find a printer to donate services in exchange for recognition on the placemat.
- Contact restaurants to use your placemats.

ADOPT-A-CLASS

Students adopt a class by developing and teaching energy lessons to younger students.

- Decide what grade level you want to teach.
- Decide what you want to teach your adopted class.
- Gather the materials you need and arrange with your adopted class' teacher to teach your lesson.
- Prepare your lesson well and have fun.

ENERGY TIME CAPSULE

Collect energy-related items for burial in a time capsule.

- Set a date for your burial ceremony and invite community members.
- Gather information about energy today and predictions for the future.
- Obtain a waterproof container to hold your information.
- Plan and conduct your burial ceremony.

ENERGY TIMES

Publish an energy newspaper for students, families, and the community.

ENERGY RESOURCE CENTER

Set up an energy resource center in the school library for all teachers to use.

ENERGIZE YOUR LOCAL DJ

Convince local radio shows to broadcast Public Service Announcements (that you write) about energy.

ENERGY PAST

Interview senior citizens and publish a special report on energy in the good old days.

ENERGY AUDITS

Conduct energy audits of your home and school using NEED's Energy Management materials.

More Ideas

ENERGY AWARENESS PROGRAMS

1. Conduct programs within your school

- Perform Public Service Announcements and design posters with information and conservation tips.
- Conduct classroom activities—**Transparent Energy**, **Energy Enigma**, etc.
- Invite guest speakers on energy issues.
- Conduct a school-wide energy fair.
- Promote a “Carpool Only Day,” “Mass Transit Only Day,” or “No-Electricity Day.”
- Develop and provide lesson plans for teachers to use that integrate energy into their subjects.
- Write energy articles for the school newspaper.

2. Reach out to families

- Implement the **Energy Conservation Contract** activity as a school-wide project.
- Conduct home energy audits for school families.
- Conduct an energy awareness program for a PTA meeting.
- Include energy information in the school newsletter.

3. Conduct programs for students at the feeder elementary or middle schools

- Develop and provide one-week energy unit guides to middle or elementary school teachers.
- Conduct **Primary Energy Stories and More** for students in grades K-3.
- Assist students in constructing the **Museum of Solid Waste and Energy**.
- Conduct **Science of Energy** experiments for students.
- Conduct an all-day NEED workshop for teachers and students.
- Conduct a “Design a Windmill” or “Design a Solar-powered Anything” program.
- Perform a **NEED Energy Play** or **Great Energy Rock Performance** for the students.
- Sponsor NEED clubs at the schools by becoming mentors.
- Conduct **Energy Carnivals** for local elementary schools.

4. Conduct energy awareness activities for the community at large

- Construct the **Museum of Solid Waste and Energy** and take it on tour of local malls or public buildings.
- Produce an energy video to be shown on local public television stations.
- Write energy articles for community newspapers and newsletters.
- Conduct energy audits for local businesses.
- Present programs for community meetings.

ENERGY CONSERVATION PROGRAMS

- Institute paper, aluminum, plastic, and glass recycling programs at your school and at feeder schools.
- Institute a composting program at your school and at your feeder schools.
- Perform energy audits of your school and feeder schools and suggest ways of conserving energy.
- Install bicycle racks at your school and promote cycling as an alternative to driving to school.
- Install a carpool bulletin board at your school for after school programs.
- Work with teachers to encourage or require “both sides of the paper” reports.
- Investigate your school cafeteria and suggest alternatives to wasteful practices.

COMMUNITY POLICY ACTIVITIES

- Encourage your community government to mandate residential and industrial recycling programs.
- Encourage your community government to implement a community-wide composting program for food and yard wastes.
- Encourage your community government to provide tax incentives for residential and industrial energy-efficiency measures.
- Encourage your community government to provide bike paths and carpool lanes to reduce automobile use.
- Investigate the needs, concerns, or problems of your particular community and make suggestions to your community government.

COMMUNITY OUTREACH ACTIVITIES

- Conduct energy audits of public buildings and suggest ways to conserve energy.
- Monitor the temperature of public buildings and issue a report card to your city government detailing excessive energy use.
- Write, illustrate, and publish a pamphlet on easy energy conservation tips to be placed in public buildings and businesses.
- Research the public resources available in your community for weatherization assistance and produce an informational flier for distribution in public buildings, supermarkets, etc.
- Work with your local building council to weatherize low-income houses in your community.
- Participate in local Adopt-a-Highway programs.
- Implement mentor and internship programs with the major utilities and energy users in your community.
- Set up energy awareness booths at local fairs and expos.
- Build an energy efficient demonstration house to exhibit at community functions.

The Youth Awards Program

The 2009–2010 school year marks the 30th year of the NEED Project and the Youth Awards Program for Energy Achievement. We welcome you back to school with new educational opportunities for you and your students to fill the year with energy and excitement!

As schools across the country look to the future, NEED provides innovative materials and training programs to help you and your school put energy into education. NEED continues to incorporate the Youth Awards Program for Energy Achievement into its school and community programs. As a central component of our evaluation and recognition, the Youth Awards Program recognizes student leadership, encourages students to evaluate their knowledge of energy, and provides ideas and programs that may be exchanged with other schools in the NEED program.

As your students participate in energy activities in the classroom and in the community, encourage them to keep a scrapbook that highlights their goals, activities, outreach opportunities, and their evaluation of the activities. The scrapbook is simple to complete, and should be compiled by the students as a team. In April, submit the scrapbook to your state's coordinator—located in your state or at NEED Headquarters in Virginia. These scrapbooks will be reviewed and awarded points at the state level and winning projects will be forwarded for national review. Not sure where to send it? Call NEED at 1-800-875-5029.

The scrapbooks are reviewed by a panel of judges based on the following criteria:

<input type="checkbox"/> Goal Setting	5
<input type="checkbox"/> Activities to Reach Goals	25
<input type="checkbox"/> Energy Content	20
<input type="checkbox"/> Student Leadership	15
<input type="checkbox"/> Community Involvement	5
<input type="checkbox"/> Use of Resources	10
<input type="checkbox"/> Project Evaluation	10
<input type="checkbox"/> Project Documentation	10

Mark your calendar for the National Youth Awards Recognition Ceremonies, to be held in Washington, DC, June 25–28, 2010. Come help us celebrate! For more information about the Youth Awards Program for Energy Achievement or the National Recognition Ceremonies, please contact NEED at 1-800-875-5029.

If you are unable to complete a scrapbook this year, please complete the program evaluation form in the **Blueprint for Success** booklet and send it to us. The staff of NEED and our Board of Directors and sponsors would like to know what you're doing and what we can do to help you put energy into your classroom.

Best wishes for a great school year,



Mary E. Spruill
Executive Director

Planning Your Energy Project

LET'S GO!

Creating a great energy project takes work and organization, but it's also a lot of fun! Most successful energy education projects are planned in the fall. Some projects run year-round, while others run in conjunction with NEED Week (March 15–19, 2010) or with Energy Awareness Month in October. The award-winning projects are usually planned by schools' NEED clubs or energy/environmental clubs. The projects may involve one classroom, the entire school, the school district, or the entire community.

STEP ONE—ESTABLISH GOAL(S)

Your class or club should start planning your energy education project in the fall. Brainstorm goals you and your class would like to accomplish. Remember, your project must have energy as its primary focus. If you think you might need a little help, give NEED Headquarters a call at 1-800-875-5029.

Sample Goals

- Create an **Energy Expo** and invite all sixth-grade classes to tour it.
- Identify ten homes in the community that are in need of weatherization, and whose residents are on low or fixed incomes. Then secure the skills and supplies to weatherize the homes.
- Adopt a lower-grade class or classes, and prepare an energy lesson for them. If the students are in grades K-3, use **Primary Energy Stories and More**.
- Demonstrate the **Science of Energy**, **EnergyWorks**, or **ElectroWorks** experiments at a PTA meeting.
- Communicate about energy via the Internet, or create a NEED website for your school. NEED can help provide server space.
- Take your classroom energy activities school-wide or district-wide.
- Use NEED's **Energy Management Program** to develop an energy plan for your school—perform an energy survey to find out how your school uses energy and how to reduce energy use.

STEP TWO—ASSIGN TASKS

Once you know what you want to do for your energy project, you need to assign tasks. How will your school come together for this project? Which students will be involved? Make sure you have students to take photographs, design the scrapbook, and write the text for the scrapbook. The Project Adviser for the project is always the teacher, but the student director can be any student(s) with the ability to lead and energize his/her peers. You can make the scrapbook part of your activities, involving the English and art teachers and others.

STEP THREE—FUNDRAISING (OPTIONAL)

You may need to raise money for your project or to attend the 2010 National Recognition Ceremonies. Fortunately, there are many ways to raise funds, so start early! You can raise money by holding car washes, bake sales, or by sponsoring a school dance or other event. You can also ask community groups or businesses to donate money or supplies to help your group. If you take the latter route, write a letter stating the purpose of your project and enlisting support. Follow up with a phone call or go in person to talk about your project.

STEP FOUR—GATHER DOCUMENTATION

Keep a record of photos to use in your scrapbook. Keep good notes on everything your group does that will become part of your scrapbook. For instance, if you write a letter to your Congressional representative and he/she responds, make sure you keep a copy for your scrapbook. Your photographs, letters, evaluations, and samples of your group's work will become part of the documentation section of your scrapbook.

STEP FIVE—COMPLETE YOUR SCRAPBOOK

Obtain an 8 1/2" x 11" loose-leaf binder in which to compile your scrapbook. Use every blank space to tell our judges more about your project. You may submit multimedia resources, but the judges will only review the scrapbooks during the judging. Make sure you include the following:

PAGE 1: YOUTH AWARDS APPLICATION

(Found on page 15 of this booklet.)

PAGE 2: PROJECT SUMMARY & GROUP PHOTO

Have a student(s) write a 200 word summary of your project, emphasizing the energy-related activities. If selected as a state or national winner, this summary will be included in NEED's Annual Report. *(If you would like to see other schools' summaries, the latest Annual Report is on the NEED website--www.need.org.)*

Take a high resolution group photo and email it to info@need.org. This photo may be used in the Annual Report.

Email your group photo along with your **project summary** to info@need.org, with the subject line: (Your School Name) Youth Awards Summary and Photo. Include in the body of the email the school name, lead teacher name, project title, and state.

PAGES 3-?: PROJECT REPORTING FORMS

Fill out a separate reporting form for each of the goals your group has chosen. The Review Panel looks for well-defined goals that can be accomplished and that emphasize energy-related activities and objectives. Make as many copies of the reporting form (found on page 14 of this book) as you need. A sample goal can be found on page 13 of this book.

DOCUMENTATION

Include documentation following each goal to highlight your activities. **Documentation is limited to 15 double-sided or 30 single-sided pages. Scrapbooks with more pages WILL NOT be considered in the national judging.**

CATEGORIES FOR COMPETITION

- **Primary Projects—Grades K-3**
- **Elementary Projects—Grades 4-5**
- **Junior Projects—Grades 6-8**
- **Senior Projects—Grades 9-12**
- **Independent or Special Category Projects (district-wide, regional, individual, scout troop, etc.)**

NEED also recognizes Rookie Schools of the Year at the State and National Levels.

DEADLINES

The deadline for projects is April 15, 2010. Projects must be received at your state coordinator's office by that date. The projects are then reviewed for state awards and forwarded to NEED Headquarters by April 23, 2010, to be entered in national competition. Check your NEED Catalog for state coordinator information.

BENEFITS

What's good about doing an energy project? First, NEED activities help teachers and students achieve educational goals related to all disciplines: science, social studies, math, drama, art, language arts, music, etc. NEED's materials help fulfill educational standards in most disciplines and at all grade levels. Furthermore, preparing portfolios of work accomplished is an excellent learning experience for students.

PROJECT JUDGING CRITERIA

Your project will be reviewed by a panel of educators, students, business people, members of energy organizations, and others. The review panel will award your project points in eight areas as follows:

1. Project Goals (0-5 points)

The panel will review your project's goals. Your goals should state the major energy-related achievements your project was trying to attain.

2. Activities to Reach Goals (0-25 points)

This is the most important category in the review and it receives the greatest weight in points. The panel will consider the number and quality of the activities. Activities should:

- focus on energy,
- be useful and educational,
- include school/community service,
- have far-reaching/long-term results,
- be well-organized and well-received,
- be creative or fun, and
- include NEED materials.

3. Energy Content of Project (0-20 points)

The panel will review your activities to determine the energy content of your project. Judges will look for activities that involve the science of energy, energy sources, energy uses, and energy conservation.

4. Student Leadership (0-15 points)

The panel will review your activities to determine the extent to which the students took ownership and demonstrated leadership in the activities.

5. Community Involvement (0-5 points)

The panel will determine how effectively the students interacted in their communities. Did the students work with other community groups or undertake community service projects?

6. Use of Resources (0-10 points)

The panel will determine how well your project made use of NEED materials and other resources. Judges will also see if you called upon knowledgeable people in your community to help make your project a success.

7. Evaluation Methods (0-10 points)

The panel will review your evaluation methods.

8. Documentation (0-10 points)

The panel will review your documentation. Judges will evaluate how well your project report communicates what you have accomplished.

STATE AWARDS PROGRAMS

Many state NEED programs host awards luncheons or programs to recognize the outstanding projects in the state. States present plaques and certificates to participating schools. Check your NEED catalog for state coordinator information.

NATIONAL YOUTH AWARDS PROGRAM

Your state committee will select the best projects in the Primary, Elementary, Junior, Senior, and Special categories to compete in the national review in May. A national judging committee will review all the top state reports and select the School of the Year from each grade level. Finalists for School of the Year will receive special recognition as well. There is a category for Rookie of the Year at all grade levels.

NATIONAL RECOGNITION CEREMONIES

Representatives from all state projects are eligible to attend the NEED Project's National Recognition Ceremonies on June 25-28, 2010. This four day conference is organized and staffed by NEED student leaders to recognize outstanding teachers and students nationwide. Delegates receive recognition for their projects, learn about new NEED activities, and share ideas and have fun with their counterparts from other states. Registration fees are \$525 per person and include double-occupancy lodging, most meals, local transportation, a formal awards ceremony, a Potomac River dinner cruise, tours of Washington, DC and Arlington Cemetery, and other special events. Some sponsorships may be available for schools. Call the NEED office for availability.

SAMPLE GOAL

GOAL: To conduct an **Energy Expo** at our school.

ACTIVITIES:

1. Obtained permission from principal to conduct activity.
2. Had all classes sign up to present exhibits on energy sources.
3. Secured free/discount coupons for pizza and ice cream as incentives for students/teachers to participate.
4. Put up posters about the expo around the school.
5. Asked the Science Club to present NEED's **EnergyWorks** and **Science of Energy** experiments.
6. Sent invitations to parents and other schools to visit the expo.
7. Followed-up with thank you notes and prizes to participating teachers and the Science Club.

STUDENT LEADERSHIP: A committee of NEED students planned and organized the expo.

RESOURCES:

1. NEED's **Energy Expo, Energy Infobooks, EnergyWorks, Science of Energy.**
2. Pamphlets from our local utility company.
3. Encyclopedia Americana.
4. Energy websites linked to **www.NEED.org**.

EVALUATION:

1. Evaluated the project with completed evaluation forms.
2. Reviewed the evaluation forms from participating teachers and students.
3. All of the teachers and 95 percent of the students indicated they would like to have another expo next year.
4. Four hundred people attended the expo.
5. Pre/Post assessment showed knowledge gain.

NEED YOUTH AWARDS PROGRAM FOR ENERGY ACHIEVEMENT

PROJECT REPORTING FORM

(make one copy for each goal)

STATE _____	SCHOOL NAME _____	FORM _____	OF _____
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GOAL # _____

ENERGY CONTENT ACTIVITIES:

STUDENT LEADERSHIP:

RESOURCES:

EVALUATION:

NEED YOUTH AWARDS PROGRAM FOR ENERGY ACHIEVEMENT

APPLICATION FORM

STATE _____ SCHOOL NAME _____

PROJECT LEVEL

- _____ PRIMARY (K-3)
- _____ ELEMENTARY (4-5)
- _____ JUNIOR (6-8)
- _____ SENIOR (9-12)
- _____ SPECIAL CATEGORY
- _____ FIRST-TIME ENTRY

CHECKLIST

- _____ Finished Application
- _____ Project Summary (200 words or less)
- _____ Emailed to NEED
- _____ Group Photo Emailed to NEED
- _____ Reporting Forms (as many as needed)
- _____ Documentation (15 pages front and back)
- _____ Standard-size Scrapbook (8 ½ x 11)

Make this application the first page of your project report.

Submit your report to your state NEED Coordinator by April 15, 2010.

If your state does not have a coordinator, please contact NEED at 1-800-875-5029 for instructions.

PROJECT TITLE

FULL SCHOOL NAME

CLUB NAME IF APPLICABLE

SCHOOL STREET ADDRESS

SCHOOL DISTRICT

CITY / TOWN

COUNTY

STATE

ZIP CODE

SCHOOL PHONE NUMBER (AREA CODE)

LAST DAY OF SCHOOL

US CONGRESSIONAL REPRESENTATIVE

SCHOOL FAX NUMBER (AREA CODE)

EMAIL ADDRESS

SCHOOL WEB SITE

PROJECT ADVISER

STUDENT DIRECTOR(S)

SCHOOL PRINCIPAL

NUMBER OF STUDENTS COORDINATING PROJECT

NUMBER OF STUDENTS REACHED

NUMBER OF COMMUNITY MEMBERS REACHED DIRECTLY

NUMBER OF COMMUNITY MEMBERS REACHED INDIRECTLY (MEDIA COVERAGE, ETC.)

HOME PHONE NUMBER OF ADVISER (AREA CODE)

THE FINE PRINT

As the project adviser and student director(s), we declare that the attached report has been written and assembled with the participation of students and that all information and data in this report are true. We have double-checked to ensure that all materials are included and that documentation has been limited to 30 single-sided or 15 double-sided pages no larger than 8½ x 11 inches.

PROJECT ADVISER SIGNATURE

STUDENT DIRECTOR(S) SIGNATURE(S)

PROJECT ADVISER PRINTED NAME

STUDENT DIRECTOR(S) PRINTED NAME (S)

DATE

DATE

NEED National Sponsors and Partners

American Association of Blacks in Energy
American Electric Power
American Electric Power Foundation
American Petroleum Institute
American Solar Energy Society
American Wind Energy Association
Aramco Services Company
Areva
Armstrong Energy Corporation
Association of Desk & Derrick Clubs
All Wild About Kentucky's Environment
Robert L. Bayless, Producer, LLC
BP Foundation
BP
BP Alaska
BP Solar
Bureau of Land Management –
U.S. Department of the Interior
C&E Operators
Cape and Islands Self Reliance
Cape Cod Cooperative Extension
Cape Light Compact–Massachusetts
L.J. and Wilma Carr
Center for the Advancement of Process
Technology–College of the Mainland–TX
Chesapeake Public Schools–VA
Chesterfield County Public Schools–VA
Chevron
Chevron Energy Solutions
ComEd
ConEd Solutions
ConocoPhillips
Council on Foreign Relations
CPS Energy
Cypress-Fairbanks Independent School
District–TX
Dart Foundation
Desk and Derrick of Roswell, NM
Dominion
Dominion Foundation
Duke Energy
E.On
EDF
East Kentucky Power
El Paso Foundation
EnCana
Energy Information Administration –
U.S. Department of Energy
Energy Training Solutions
Energy and Mineral Law Foundation
Energy Solutions Foundation
Equitable Resources
Escambia County School District–FL
FPL Energy Encounter–FL
First Roswell Company
Florida Department of Environmental
Protection
Foundation for Environmental Education
Georgia Environmental Facilities Authority
Guam Energy Office
Gulf Power
Halliburton Foundation
Gerald Harrington, Geologist
Houston Museum of Natural Science
Hydro Foundation for Research and
Education
Idaho Department of Education
Illinois Clean Energy Community Foundation
Independent Petroleum Association of
America
Independent Petroleum Association of
New Mexico
Indiana Office of Energy and Defense
Development
Interstate Renewable Energy Council
Iowa Energy Center
Kentucky Clean Fuels Coalition
Kentucky Department of Energy
Development and Independence
Kentucky Oil and Gas Association
Kentucky Propane Education and Research
Council
Kentucky River Properties LLC
Keyspan
KidWind
Lenfest Foundation
Llano Land and Exploration
Long Island Power Authority–NY
Maine Energy Education Project
Maine Public Service Company
Marianas Islands Energy Office
Maryland Energy Administration
Massachusetts Division of Energy
Resources
Michigan Energy Office
Michigan Oil and Gas Producers Education
Foundation
Minerals Management Service –
U.S. Department of the Interior
Mississippi Development Authority–
Energy Division
Montana Energy Education Council
Narragansett Electric – A National Grid
Company
NASA Educator Resource Center–WV
National Alternative Fuels Training Center–
West Virginia University
National Association of State Energy
Officials
National Association of State Universities
and Land Grant Colleges
National Hydropower Association
National Ocean Industries Association
National Renewable Energy Laboratory
Nebraska Public Power District
New Jersey Department of Environmental
Protection
New York Power Authority
New Mexico Oil Corporation
New Mexico Landman's Association
North Carolina Department of
Administration–State Energy Office
Offshore Energy Center/Ocean Star/
OEC Society
Offshore Technology Conference
Ohio Energy Project
Pacific Gas and Electric Company
PECO
Petroleum Equipment Suppliers
Association
Poudre School District–CO
Puerto Rico Energy Affairs Administration
Puget Sound Energy
Roswell Climate Change Committee
Roswell Geological Society
Rhode Island State Energy Office
Sacramento Municipal Utility District
Saudi Aramco
Sentech, Inc.
Shell
Snohomish County Public Utility District–
WA
Society of Petroleum Engineers
David Sorenson
Southern Company
Southern LNG
Southwest Gas
Spring Branch Independent School
District–TX
Tennessee Department of Economic and
Community Development–Energy Division
Toyota
TransOptions, Inc.
TXU Energy
United Technologies
University of Nevada–Las Vegas, NV
United Illuminating Company
U.S. Environmental Protection Agency
U.S. Department of Energy
U.S. Department of Energy–Hydrogen,
Fuel Cells and Infrastructure Technologies
U.S. Department of Energy – Wind
for Schools
Virgin Islands Energy Office
Virginia Department of Mines, Minerals
and Energy
Virginia Department of Education
Virginia General Assembly
Wake County Public Schools–NC
Washington and Lee University
Western Kentucky Science Alliance
W. Plack Carr Company
Yates Petroleum