

# Youth Awards Program Guide

This guide helps classrooms and student groups prepare energy outreach projects and document their work for submission to NEED's Annual Youth Awards Program and Youth Energy Conference.



## Grade Levels:

**K-12**

Primary, Elementary, Intermediate,  
Secondary



## Teacher Advisory Board

**Constance Beatty**  
Kankakee, IL

**Barbara Lazar**  
Albuquerque, NM

**James M. Brown**  
Saratoga Springs, NY

**Robert Lazar**  
Albuquerque, NM

**Mark Case**  
Randleman, NC

**Leslie Lively**  
Porters Falls, WV

**Amy Constant Schott**  
Raleigh, NC

**Melissa McDonald**  
Gaithersburg, MD

**Nina Corley**  
Galveston, TX

**Nicole McGill**  
Washington, DC

**Samantha Danielli**  
Vienna, VA

**Hallie Mills**  
St. Peters, MO

**Shannon Donovan**  
Greene, RI

**Jennifer Mitchell -  
Winterbottom**  
Pottstown, PA

**Nijma Esad**  
Washington, DC

**Mollie Mukhamedov**  
Port St. Lucie, FL

**Linda Fonner**  
New Martinsville, WV

**Cori Nelson**  
Winfield, IL

**Teresa Fulk**  
Browns Summit, NC

**Don Pruett Jr.**  
Puyallup, WA

**Michelle Garlick**  
Long Grove, IL

**Judy Reeves**  
Lake Charles, LA

**Erin Gockel**  
Farmington, NM

**Tom Spencer**  
Chesapeake, VA

**Robert Griegoliet**  
Naperville, IL

**Jennifer Trochez  
MacLean**  
Los Angeles, CA

**Bob Hodash**  
Bakersfield, CA

**Wayne Yonkelowitz**  
Fayetteville, WV

**DaNel Hogan**  
Tucson, AZ

**Greg Holman**  
Paradise, CA

## NEED Mission Statement

The mission of The NEED Project is to promote an energy conscious and educated society by creating effective networks of students, educators, business, government and community leaders to design and deliver objective, multi-sided energy education programs.

### Permission to Copy

NEED curriculum is available for reproduction by classroom teachers only. NEED curriculum may only be reproduced for use outside the classroom setting when express written permission is obtained in advance from The NEED Project. Permission for use can be obtained by contacting [info@need.org](mailto:info@need.org).

### Teacher Advisory Board

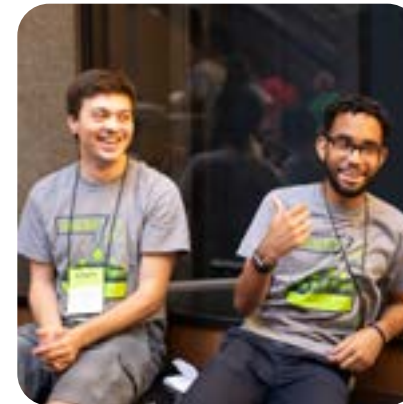
In support of NEED, the national Teacher Advisory Board (TAB) is dedicated to developing and promoting standards-based energy curriculum and training.

### Energy Data Used in NEED Materials

NEED believes in providing teachers and students with the most recently reported, available, and accurate energy data. Most statistics and data contained within this guide are derived from the U.S. Energy Information Administration. Data is compiled and updated annually where available. Where annual updates are not available, the most current, complete data year available at the time of updates is accessed and printed in NEED materials. To further research energy data, visit the EIA website at [www.eia.gov](http://www.eia.gov).



1.800.875.5029  
[www.NEED.org](http://www.NEED.org)  
© 2020



### Check it Out!

Visit NEED's Youth Awards website for photos from past events, sample projects, and a list of frequently asked questions. [www.NEED.org/Youth-Awards](http://www.NEED.org/Youth-Awards)

For information on the 2020 NEED Youth Energy Conference and Awards Program visit [www.youthenergyconference.org](http://www.youthenergyconference.org).



## Youth Awards Program Guide

### Table of Contents

■ Youth Awards Program Overview	4
■ Awards, Youth Conference, Ceremony, and Fundraising	5
■ Creating a Project	7
■ Sample Project Ideas	10
■ Youth Awards Timeline	12
■ Fundraising Tips	13
■ Sample Outline and Information Planner	14
■ Blank Outline and Information Planner	15
■ Rubric for Evaluation	16
■ Required Application Information Planner	17





# YOUTH AWARDS PROGRAM OVERVIEW

## BACKGROUND

NEED encourages all students and classrooms to get involved in energy outreach. By doing so, students take ownership of their learning, are able to show confidence in their knowledge gains, and become leaders in the classroom. NEED's annual Youth Awards Program for Energy Achievement rewards students for their efforts in energy outreach and student leadership. This guide to Youth Awards and the Youth Energy Conference will walk you through everything you need to know about creating an outreach project with your students—project guidelines and deadlines, the application process, how to submit a project, and the conference and awards program itself.

## WHAT IS YOUTH AWARDS?

The Youth Awards Program is a central component of evaluation and recognition—two important steps in NEED's eight-step energy education model. This program recognizes student leadership, and encourages students to evaluate their knowledge of energy.

The Youth Awards Program is great for all schools—new to energy education, or veteran. Projects and outreach completed for the program provide opportunity for enrichment and engagement, as well as an opportunity for your students, classroom, and school to shine.

## ABOUT THE PROJECTS

Youth Awards projects are energy outreach activities that are student-driven and student-run. Students work together to plan and track their goals, meet timelines, complete activities and outreach, document their hours of work, and create partnerships. They document their learning by taking and cataloging photos, letters, work samples, and other media. Students evaluate their efforts and successes, and will submit a digital project summarizing their project goals, activities, and accomplishments. Projects will be judged on the local, state, and/or national levels and students will receive recognition for their work.

## TWO LEVELS OF ENTRY

Not every classroom or group will have the ability to complete a multi-faceted outreach project each year. Youth Awards Projects can be submitted in one of two categories. Depending on the level of engagement in energy activities and outreach in the community that your group is able to tackle, you may elect to submit a Youth Awards Foundations Project or a Youth Awards Signature Project. Foundations projects are generally for groups with less activity involvement, while signature projects are more comprehensive. Foundations projects are generally stepping stones to Signature projects. Please refer to the descriptions below to decide on the project format for submission that makes sense for your group. *We'll discuss the ins and outs of creating and submitting a project on pages 7-9.*

## YOUTH AWARDS SIGNATURE PROJECT

- Multi-faceted outreach project that is student-driven
- Covers several energy content areas and activities
- Completion of a 15-slide digital slideshow that showcases goals of projects, activities completed, and results achieved
- Projects are uploaded to the Youth Awards Program project submission website
- Projects will be judged at the state and national levels with the opportunity to attend the Youth Energy Conference and Awards in June in Washington, D.C. (see page 5 for more information)
- Special recognition may be given to projects that excel in one of the following areas:
  - o Exemplary community energy education
  - o Energy engineering and design
  - o Exemplary school energy efficiency

## YOUTH AWARDS FOUNDATIONS PROJECT

- Single activity outreach project that is student-driven
- Focuses on a limited content area or set of activities
- Completion of a 4-slide digital slideshow that showcases the goals and results of the project
- Projects are uploaded to the Youth Awards Program project submission website
- Projects will be recognized at the local level for outstanding efforts in the classroom and the community
- Foundations projects are not eligible to attend the Youth Energy Conference and Awards in Washington, D.C.

## DUE DATES

In order for NEED to review projects and student work, students must submit their projects by April 15, 2020. Students can begin their projects any time throughout the school year and may work as little or as much on their projects as your school schedule allows. Recognition will take place in the months of May and June, once judging is finalized. *See page 5 and 6 for more information on judging and recognition ceremonies.*

# AWARDS, YOUTH CONFERENCE, CEREMONY, AND FUNDRAISING

Once student projects are submitted, NEED will convene a panel of industry and education experts to review projects. Youth Awards Signature and Foundations Project participants will be recognized for their efforts.

## LOCAL RECOGNITION

Youth Awards Foundations Projects will receive recognition at the local level. Teachers will be notified and receive information regarding their local recognition.

## 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. Contact The NEED Project at 1-800-875-5029 or at [info@need.org](mailto:info@need.org) for your state coordinator's information.

## NATIONAL AWARDS PROGRAMS

Your state committee will select the best Youth Awards Signature Projects in the Primary, Elementary, Junior, Senior, and Independent/Special Categories to compete in the national review in April. A national review committee will review all the top state projects and select the School of the Year for each grade level. Finalists for School of the Year will receive special recognition as well. There are also award categories for Rookie of the Year (all grade levels), Exemplary Community Energy Education Project, Exemplary Energy Engineering and Design Project, and Exemplary School Energy Efficiency Project.

## CATEGORIES FOR NATIONAL COMPETITION

- Primary Projects — Grades K-2
- Elementary Projects — Grades 3-5
- Junior Projects — Grades 6-8
- Senior Projects — Grades 9-12
- Independent or Special Category Projects — district wide, regional partnerships, individuals, scout troops, community colleges, and university groups, etc.
- Rookie of the Year — recognized by NEED at the state and national levels
- Exemplary Community Energy Education Project — demonstrates high levels of community outreach and engagement in energy education efforts
- Exemplary Energy Engineering and Design Project — showcases student engineering and design skills in the creation of energy related materials
- Exemplary School Energy Efficiency Project — exhibits interesting and measurable approach to a school-wide reduction in energy consumption

## NEED YOUTH ENERGY CONFERENCE AND AWARDS

**Dates:** June 26-29, 2020  
**Location:** Washington D.C.  
**Website:** [youthenergyconference.org](http://youthenergyconference.org)

In 2020, the 40th Annual NEED Youth Energy Conference and Awards Program will give students more opportunities to learn about energy and to explore energy in STEM (science, technology, engineering, and math). The annual June conference will have students from across the country working in groups on an Energy Challenge designed to stretch their minds and energy knowledge.

## PARTICIPATION REQUIREMENTS

Schools must submit a Youth Awards Signature Project to participate in the Youth Energy Conference and Awards Program. Submission are due April 15, 2020. Registrations received prior to April 15, 2020 are contingent upon receipt of a project prior to the deadline.

Participants must be part of a school group. Individual participation is not available at this time. A lead teacher may be designated by the Project Advisor listed on the Youth Awards project. The lead teacher will act as the main point of contact before and during the Youth Energy Conference and Awards Program and make all decisions on behalf of the school group.



REGISTRATION PROCESS

1. Initial Group Registration (Open January 1, 2020 – May 15, 2020)

Lead Teachers from school groups that meet the participation requirements (see previous page) will visit [youthenergyconference.org](http://youthenergyconference.org) to register their school group with the conference. Conference registration is limited to the first 500 attendees. Upon receiving your school group registration, NEED will provide information to share with families.

2. Family Registration

Each family sending a child and/or parent chaperone or guest (for example, a sibling) to the conference and awards will register for the event.

3. Attendee Verification and Room List

Lead Teachers will be asked to verify a list of attendees and provide an initial room list.

4. Payment

Registrants will be provided an initial invoice for their participation. Lead Teachers will be provided a master list of registration fees. Lead Teachers will be provided a master list of registration fees.

5. Final Payment Due (June 12, 2020)

All registration fees are due to The NEED Project by June 12, 2020.

REGISTRATION INCLUDES

- Hands-on energy sessions for students, teachers, and parents
- Admission to the Youth Awards Ceremony on Monday, June 29th
- Friday Welcome Dinner, Celebration, and Trading
- Sunday night dinner cruise on the Spirit of Washington
- Lodging at the Hyatt Regency Crystal City June 26th - 29th
- Breakfast Saturday, Sunday, and Monday mornings
- 48-hour Big Bus tour ticket for use Saturday – Sunday (or) Ride All Day Metro tickets (Lead Teacher will choose)
- Transportation to all off-site events
- Conference t-shirt

NEED YOUTH CONFERENCE AND AWARDS REGISTRATION FEES

- Triple/Quad Room (3/4 people per room) \$550 per person
- Double Room (2 people per room) \$640 per person
- Single Room (1 person per room) \$945 per person

SCHOLARSHIP FUNDS AND FUNDRAISING

Limited scholarship funding is available for winning Youth Awards projects. Upon review of the projects, Lead Teachers will be notified of scholarship funding.

NEED strongly encourages participating schools to fundraise locally to help defray the registration fee per student. Check out NEED's Fundraising Suggestions sheet with tips from veteran NEED teachers. For details on how to apply fundraising dollars towards your group's attendance email Wendi Moss at [wmoss@need.org](mailto:wmoss@need.org). See page 13 for fundraising tips and ideas or download from [youthenergyconference.org](http://youthenergyconference.org).

If a registrant has already paid more than the new total (after scholarship and fundraising funds are applied), the difference will be credited back to the organization, school, or family that paid the initial registration fees.

NEED YOUTH ENERGY CONFERENCE ACTIVITIES

STUDENT ENERGY IN STEM CHALLENGE

Friday/Saturday, June 26-27, 2020

NEED students are the leaders of today and tomorrow, and we want to see how they think about some of the challenges facing us in energy today! Students will be broken up into small groups called task forces, giving them the opportunity to collaborate with grade level peers from around the country. Groups will be presented with a challenge for which they, as a group, will devise a solution. Groups will present their solution to others that were faced with the same challenge. Up to four groups will be selected to present their solution during the Youth Awards Ceremony on Monday, June 29th.

TEACHER MEETING AND WORKSHOP

Friday/Saturday, June 26-27, 2020

Meet your colleagues who are also participating in the Youth Awards Program. Learn about the weekend and get tips on how to make your time in D.C. go smoothly. Share your successes with your Youth Awards project and start planning for next year. Learn some new NEED activities that you can take back to your classroom in the fall.

PARENT WELCOME AND EDUCATIONAL EVENTS

Friday/Saturday, June 26-27, 2020

Parents and guests are welcome to join NEED staff and student leaders on Friday afternoon to learn more about NEED, the activities students have been doing in class throughout the year, and how they can stay involved even after their student changes schools or teachers.

Why should the students have all the fun? On Saturday morning, parents will join us for some fun, practical, hands-on activities. Ask the energy questions you always wanted to know but never had the time to Google! Learn what those line items on your electric bill mean! Have fun with hands-on activities! No tests or grades given.

YOUTH AWARDS CEREMONY Monday, June 29, 2020

The conference culminates with the 40th Annual Youth Awards Ceremony on Monday, June 29, 2020. Students will be recognized for their work throughout the school year and during the Youth Energy Conference. Select groups will be invited on stage to share their projects. Attendance is limited to registered participants only.

CREATING A PROJECT

PART ONE – SET YOUR GOALS AND GET FOCUSED!

- Decide on the audience or people you would like to reach with your outreach activities. Who will you target...
  - o Students in your school?
  - o Your families?
  - o Another school in your school district?
  - o Senior citizens?
  - o Your neighborhood?
  - o Community leaders?
- Decide on the focus or goal for your activities. Check out the sample project ideas on pages 10 -11. What will be your theme? Will your outreach project...
  - o Increase energy awareness?
  - o Start an energy conservation program?
  - o Hold community demonstration programs?
  - o Correct individual problems (e.g., home insulation, lighting, or carpooling)?
  - o Change individual or group behaviors?
  - o Change community policies?
- Discuss the goals as a group. Once the group has outlined your goal(s), create a folder, binder, digital file, or poster for each goal. As a group you can file or post any ideas, photos, and work in this item as you go. Visit the timeline on page 12 to fill in your deadlines.
- If your group has several goals, you may need to divide your group into committees. Assign a committee of students and designate a committee chairperson for each goal.

PART THREE – WORK IT OUT!

- Using the master calendar as a guide, group members should sign up for the tasks they want to perform. Make sure each task for each goal has a sufficient number of staff. List the staff members responsible for completing each task on the master calendar.
- Everyone assigned to a particular project will become the working committee for that goal. If there are new members added to the committees, make sure to appoint a chairperson and review the work plan details as a group. The chairperson should ensure that deadlines are met and call meetings if problems arise.
- GATHER DOCUMENTATION! Take photos of your work and the projects each committee is working on. Keep good notes on everything the group does. File your letters, work samples, photos, and notes in your group's folder or file, or on your poster. These items will be used in your final digital project submission!
- Working committees and the whole group should meet often to ensure that the projects are proceeding as planned. Offer suggestions to other groups and help out other committees where needed.

PART TWO – PLAN IT OUT!

- Each committee should meet separately to develop a work plan. Each plan needs to address how the group will achieve the assigned goal. Outline your plan and be sure to list and describe:
  - o The objectives for your assigned goal;
  - o Estimated time to complete the goal;
  - o The materials you will need;
  - o The number of people needed to work towards the goal;
  - o The people in your school or community that you will work with or contact as resources; and
  - o The estimated cost to meet the objectives of your assigned goal.
- Check out the *Sample Outline and Information Planner* on page 14 as an example. Use the blank *Outline and Information Planner* on page 15 to record your group's outline. It might be necessary to fill out one outline per goal.
- Meet as an entire group to discuss each committee's work plan. Offer suggestions and make revisions.
- As a group, create a master work plan that outlines the entire project. The master plan should include a calendar with a timeline to show when each task is to be begun and completed. Post the calendar in a prominent place where everyone can see!
- Make sure to file all of your committee's work in the folder, file, or on the bulletin board for each goal. Keeping track of your work will be helpful when creating your final digital project to submit for judging.

PART FOUR – EVALUATE!

- Evaluate the progress of the individual goals and entire project at your group meetings and upon completion of your project. Discuss your successes and challenges as a group.
- Ask those you have worked with and targeted in your activities to evaluate the projects. Ask them to write about it or interview them and record or video their answers.
- Write up a formal evaluation for each goal. Write an overall evaluation summary of the master plan for the entire project.
- Take NEED's *Energy Polls* to evaluate knowledge gains or write a poll of your own! NEED polls are available for download by visiting [www.NEED.org/evaluation](http://www.NEED.org/evaluation).





PART FIVE — SHOW YOUR STUFF: CREATE YOUR DIGITAL PROJECT SUBMISSION!

- Use your folders, binders, digital files, and/or posters to help you create a digital slideshow in PowerPoint or other digital presentation software. You will need to be able to save the presentation as a PDF for uploading once it is complete.
- Check out NEED’s sample template for creating a digital project at [www.NEED.org/Youth-Awards](http://www.NEED.org/Youth-Awards). You can also download examples of winning projects from previous years. Get inspired!
- Save your project so that the file name includes your school name and category (schoolname.level.pdf). Make sure your slides follow the format below:

SLIDE 1:

- School name
- Project title
- Advisor’s name
- Summary of the project that emphasizes the activities, one to two paragraphs in length

SLIDE 2+:

- Project reporting information including your well-defined goals and activities.
  - o Refer to the *Sample Outline and Information Planner* and the *Rubric for Evaluation* on page 16 to help organize your slideshow. Use the outline to help you report about each project goal.
- Make sure all of the information from your planner sheets is included in your presentation.
- Back-up documentation
  - o Include documentation for each goal that highlights the activities. This includes, but is not limited to: photos, work samples, and more!
  - o Reporting and documentation is limited to the slide limits set for each type of project. Projects with excess slides will not be considered in judging.

IMPORTANT SUBMISSION CHECKLIST:

- How many slides does your project have?
  - o Signature Projects — 15 slide maximum
  - o Foundations Projects — 4 slide maximum
- Compare your project to the *Rubric for Evaluation* on page 16. How will your project be judged? Make improvements based upon the rubric.
- Save your project as a PDF for uploading to the submission site. ALL projects must be uploaded in PDF format. Make sure to save the file with your school’s name and category in the file name.
- Gather the application information. Use the *Required Application Information Planner* on page 17. Fill it out with the help of your teacher or advisor so you will be prepared to complete the online application form.

OPTIONAL: CREATE A VIDEO FOR SUBMISSION.

- Groups may elect to submit video documentation with their submissions. Videos will be considered in judging but are not required and will be displayed throughout the Youth Energy Conference and Awards weekend and on the NEED website.
  - One video is allowed per submission.
  - Videos should be no longer than three minutes. Longer videos will not be considered.
  - Videos should be created and uploaded to YouTube for hosting.
  - A link to the video must be shared when completing application information on the Youth Awards Program project submission website.
  - Video settings must be set to Public. Private videos cannot be viewed and judged.
  - Programs should ensure students have completed their school’s media release documentation, if necessary.



PART SIX — SUBMIT YOUR PROJECT!

- Go to NEED’s Youth Awards website: [www.NEED.org/Youth-Awards](http://www.NEED.org/Youth-Awards). Follow the link to the online application and submission site.
- Create a log-in to apply and submit your project. The sponsoring teacher for your group should create your group’s log-in and store the information.
- Complete the application information by filling in the required fields. You may complete part of the application and log-in again to finish completing the process at another date, if necessary. Upload your project file by clicking and attaching the file. Include your video link, if applicable.
- The deadline to submit projects is April 15, 2020. Projects must be uploaded to the site by this date, and projects submitted after the deadline will not be judged.
- Call NEED at 1-800-875-5029 with any questions about your project, judging, or technical difficulties related to the submission website.



13:50	CHICAGO	IBE	7456	3/7	12:45	M3
13:40	NEW YORK	IBE	3592	59/59	13:05	M4
13:40	MIAMI	IBE	6253	8/16	13:10	C1
13:50	PORTLAND	IBE	7456	3/7	12:45	M3
14:10	LOS ANGELES	IBE	1721	59/59	13:35	B4
14:45	MIAMI	IBE	6253	8/16	13:10	C6
13:50	CHICAGO	IBE	7456	3/7	12:45	M3
13:40	NEW YORK	IBE	3592	59/59	13:05	M4
13:40	MIAMI	IBE	6253	8/16	13:10	C1
13:50	PORTLAND	IBE	7456	3/7	12:45	M3
14:10	LOS ANGELES	IBE	1721	59/59	13:35	B4
14:45	MIAMI	IBE	6253	8/16	13:10	C6

# SAMPLE PROJECT IDEAS

## ENERGY AWARENESS AND OUTREACH ACTIVITIES

### WITHIN YOUR SCHOOL

- Conduct NEED classroom activities — *Energy Expo*, *Energy Enigma*, *Energy Carnival*, etc. Download these activities for free from [shop.NEED.org](http://shop.NEED.org).
- Invite guest speakers on energy issues.
- Publish a school-wide energy e-newsletter.
- Conduct a school-wide energy fair.
- Promote a “Carpool Only Day”, “Mass Transit Only Day”, “No Electricity Day”, or “No Power Hour.”
- Develop and provide lesson plans for teachers to use that integrate energy into their subjects.
- Create an energy time capsule with information about how we use energy now and predictions for the future.
- Conduct an energy audit of the school and prepare a presentation of your findings for the school board and/or PTA.

### REACHING OUT TO FAMILIES

- Implement NEED’s *Energy Conservation Contract* activity as a school-wide project.
- Conduct an energy awareness program for a PTA meeting.
- Include energy information in the school newsletter.
- Interview senior citizens and publish a special report on energy in the good old days.
- Develop a community social media page to discuss energy efficiency and conservation tips.

### FOR LOCAL ELEMENTARY AND MIDDLE SCHOOLS

- Develop and provide one-week energy unit guides to elementary and middle school teachers.
- Adopt younger classrooms and share energy lessons you have prepared.
- Share stories from NEED’s *Energy Stories and More* with 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 energy workshop for teachers and students.
- Conduct a “Design a Wind Turbine” or “Design a Solar-powered Anything” program.
- Perform a NEED energy play from *Energy on Stage*, or a song from *Energy Live!* for the students.
- Sponsor NEED clubs at the schools by becoming mentors.
- Conduct an *Energy Carnival* for local elementary schools.

### FOR THE COMMUNITY AT LARGE

- Construct a set of *Museum of Solid Waste and Energy* exhibits and take them on a tour of local malls or public buildings. Download the guide from [shop.need.org](http://shop.need.org).
- Write public service announcements for the DJ to read on your local radio station.
- Produce an energy video to be shown on local public television or closed-circuit stations.
- Write energy articles for community newspapers, newsletters, and blogs.
- Create placemats for local restaurants to use that teach about energy.
- Conduct energy audits for local businesses.
- Present programs for community meetings.
- Create a social media campaign to encourage others to make a change.

### ENERGY CONSERVATION PROGRAMS

- 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.
- Work with teachers to create a paperless classroom.

### COMMUNITY POLICY ACTIVITIES

- Encourage your local government to mandate residential and commercial recycling programs.
- Encourage your local government to implement a community-wide composting program for food and yard wastes.
- Encourage your local government to provide tax incentives or assistance for residential and commercial energy-efficiency measures.
- Encourage your local 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 local government.
- Investigate renewable energy options for your local community and present your findings to local government officials and community members.

### COMMUNITY OUTREACH ACTIVITIES

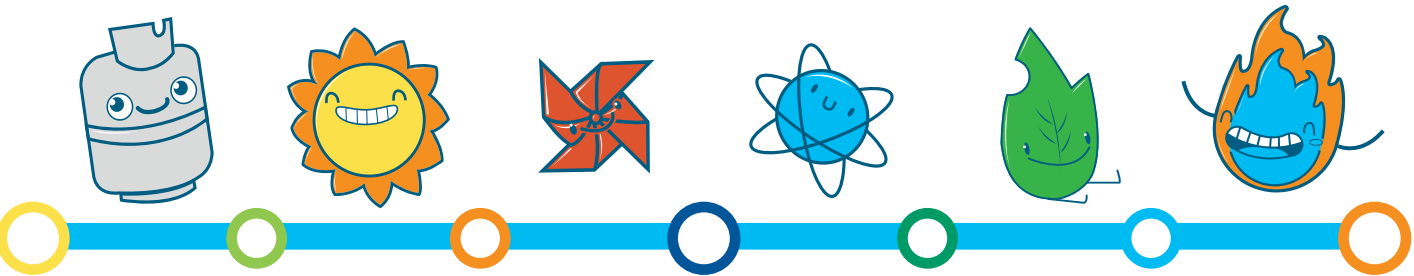
- Write, illustrate, and publish a pamphlet, poster, or website on easy energy conservation tips to be placed in or shared with public buildings, community organizations, and businesses.
- Produce a video or series of video clips demonstrating how to save energy through simple actions and efficient upgrades. Share the videos on a local or school TV network, website, or social media page.
- 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.





YOUTH AWARDS TIMELINE

COMPLETE	DEADLINE (Write your deadlines here. We've given you a few.)	DESCRIPTION
		Establish a Student Energy Team, use NEED's <i>Blueprint for School Energy Teams</i> guide
		Part One: Set Your Goals
		Part Two: Plan It Out
		Part Three: Work It Out
		Part Four: Evaluate
		Part Five: Show Your Stuff Create your digital project submission
		Part Six: Create a video for submission (optional)
	Due: April 15, 2020	Part Seven: Submit your Youth Awards Project
	January 2020- May 1, 2020	Register your Student Energy Team to attend the Youth Energy Conference and Awards (optional)
		Complete Fundraising (optional)
	June 26 – 29, 2020, Washington D.C.	Attend the Youth Energy Conference and Awards (optional)



FUNDRAISING TIPS

NEED SOME FINANCIAL HELP GETTING TO OUR YOUTH ENERGY CONFERENCE AND AWARDS?

Check out some of these fundraising ideas that fellow teachers & families have utilized:

WHO DOESN'T LOVE FOOD?

Host a local restaurant fundraising night! Many restaurant chains host community fundraisers which donate a percentage of sales from each guest check that presents a flier for the event.

EXAMPLES:

- Chili's Grill & Bar donate 10%
- Bob Evans donate 15%
- Panda Express donate 20%
- Chipotle donates 50%
- Little Ceasars Pizza Kit Fundraiser
- Krispy Kreme Fundraiser

SPIRIT WEEK AT YOUR SCHOOL!

EXAMPLE:

Hat day. Each student in your school can pay one dollar to wear a hat for the day. A sticker is given so everyone knows who paid to participate.

HOLIDAY THEMED SCHOOL FUNDRAISERS

Halloween "Pumpkin Surprise" – students, parents, & teachers fill out an order form and for \$0.25/each deliver an orange paper pumpkin with a small piece of candy taped to it for anyone at the school. Parents can donate bags of candy and/or help cut out the pumpkins.

Valentine's Day Carnations sale/message sale

SPARE CHANGE DRIVE!

Send home a note with students about a spare change drive to sponsor your trip to D.C. The classroom that brings in the most weight in coins will win an Ice Cream Party. Communicate throughout the school to create competition and increase incentive. Small ounce scales are fairly inexpensive to purchase for weighing the coins.



RUMMAGE SALE

Everyone has odds and ends they would like to part with. Organize a school or community rummage sale with all proceeds used to fund the D.C. trip. Recruit teachers and parents to help sort and price items.

NATURE INSPIRED

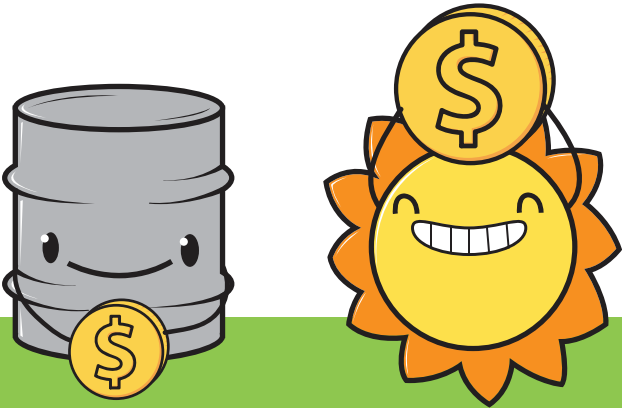
- Gift Trees at arborday.org
- Grow and sell seedlings

OTHER IDEAS

- 50/50 drawings at school sporting events
- Raffles and silent auctions using homemade items & donations from local community vendors
- Bags for Bucks sale [www.bagsforbucks.com](http://www.bagsforbucks.com)
- 5K Run or Walk, go one step further and theme it (Dress as your favorite Superhero)
- Recycle bottles and cans. Many recycling facilities will pay per pound on recyclable materials
- Sell LED bulbs at parent night or during a football game

TIPS FOR SUCCESSFUL FUNDRAISERS

- \*Allow for adequate time to plan & recruit volunteers
- \*Communicate: Parent letter, fliers, social media platforms, community bulletin boards, etc.
- \*Get involved with your PTA and local charitable organizations for ideas and help
- \*Have an incentive to buy tickets such as "free time in the gym", "extra recess time"



NEED YOUTH AWARDS PROGRAM FOR ENERGY ACHIEVEMENT

SAMPLE OUTLINE AND INFORMATION PLANNER

GOAL #

1

To conduct an *Energy Expo* at our school.

ACTIVITIES AND TASKS

1.

Obtained permission from the principal to conduct the 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.

ENERGY CONTENT AND RESOURCES

1.

NEED's *Energy Expos*, *Energy Infobooks*, *EnergyWorks*, *Science of Energy*
2.

Pamphlets from our local utility company
3.

Encyclopedia Americana
4.

Energy websites linked to [www.NEED.org](#)

STUDENT LEADERSHIP

- 4 Student leaders were assigned
- 1 Student coordinated the giveaways and incentives
- 2 Students ran the expo sign-ups
- 1 Student hung up posters with helpers
- 1 Student was in charge of invites and thank-you's
- 4 Students led the expo

EVALUATION

1.

Evaluated the project with completed student-created 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

OUTLINE AND INFORMATION PLANNER

GOAL #

ACTIVITIES AND TASKS

ENERGY CONTENT AND RESOURCES

STUDENT LEADERSHIP

EVALUATION





# RUBRIC FOR EVALUATION

## 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 seven areas as follows:

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. Signature projects should have multiple goals. Foundations projects should have one goal.

ACTIVITIES TO REACH THE 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 deepening energy content knowledge;
- incorporate scientific process thinking and skills;
- include opportunities for data collection and analysis;
- include school/community service;
- have far-reaching/long-term results;
- be well organized; and
- be creative and fun.

ENERGY CONTENT OF PROJECT AND RESOURCES (0-25 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. Activities should be inclusive of NEED curricula and utilize community partners to make the project a success.

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. Depending on the grade level and independence of learners, students will:

- determine goal(s);
- manage activities;
- document progress; and
- create Youth Awards project submission.

COMMUNITY EDUCATION AND INVOLVEMENT (0-15 POINTS)

The panel will determine how effectively the students interacted in their communities. Did the students work with other community groups or undertake a community service project? The panel will look for evidence of:

- level of interaction with the community; and
- shared energy content or knowledge.

EVALUATION METHODS (0-5 POINTS)

The panel will review your evaluation methods. Did your activities meet your project goals? What evidence is present to show goals were met?

DOCUMENTATION (0-10 POINTS)

The panel will review your documentation. Tell us what you learned and what you have accomplished. Use the PowerPoint format to demonstrate your observations, results, and successes.



# NEED YOUTH AWARDS PROGRAM FOR ENERGY ACHIEVEMENT

## REQUIRED APPLICATION INFORMATION PLANNER

State: \_\_\_\_\_ School Name: \_\_\_\_\_

Students should fill out this form with the help of a teacher and use this information when completing online submission of the application and project. Projects must be submitted online by April 15, 2020. Contact NEED at 1-800-875-5029 with any questions.

PROJECT LEVEL:	PROJECT TYPE	CHECKLIST:
_____ Primary (K-2)	_____ Signature (15 slide maximum)	_____ Application: information compiled and entered online
_____ Elementary (3-5)		_____ Digital project is submitted and contains
_____ Junior (6-8)	_____ Foundations (4 slide maximum)	_____ project summary
_____ Senior (9-12)		_____ school name and leader names
_____ Independent and Special Category		_____ reporting of goals
_____ First Time Entry/Rookie		_____ documentation (photos, etc.)
		_____ fits within the slide requirements
		_____ Digital project file name includes school or team name
		_____ Video link has been provided (optional)

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	U.S. Congressional Representative	
School Fax Number (Area Code)	Email Address	School Website	
Project Advisor	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 Advisor (Area Code)		Hours Spent on Project Collectively	

**THE FINE PRINT**

As the project advisor and student director(s), we declare that the project submission has been 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 4 or 15 slides, as applicable. Participants acknowledge that submission, materials, and other documentation provided may be displayed at [www.NEED.org](http://www.NEED.org).

Project Advisor Signature	Student Director(s) Signature(s)
Project Advisor Printed Name	Student Director(s) Printed Name(s)
Date	Date



# National Sponsors and Partners

2019 Exelon Women's Leadership Summit  
 Association of Desk and Derrick Clubs Foundation  
 Alaska Electric Light & Power Company  
 American Electric Power Foundation  
 American Fuel & Petrochemical Manufacturers  
 Apex Clean Energy  
 Armstrong Energy Corporation  
 Association for Learning Environments  
 Robert L. Bayless, Producer, LLC  
 Baltimore Gas & Electric  
 BG Group/Shell  
 BP America Inc.  
 Blue Grass Energy  
 Bob Moran Charitable Giving Fund  
 Boys and Girls Club of Carson (CA)  
 Buckeye Supplies  
 Cape Light Compact–Massachusetts  
 Central Alabama Electric Cooperative  
 Citgo  
 CLEARresult  
 Clover Park School District  
 Clovis Unified School District  
 Colonial Pipeline  
 Columbia Gas of Massachusetts  
 ComEd  
 ConocoPhillips  
 Constellation  
 Cuesta College  
 Cumberland Valley Electric  
 David Petroleum Corporation  
 David Sorenson  
 Desk and Derrick of Roswell, NM  
 Desert Research Institute  
 Direct Energy  
 Dominion Energy, Inc.  
 Dominion Energy Foundation  
 DonorsChoose  
 Duke Energy  
 Duke Energy Foundation  
 East Kentucky Power  
 EduCon Educational Consulting  
 Edward David  
 E.M.G. Oil Properties  
 Energy Trust of Oregon  
 Ergodic Resources, LLC  
 Escambia County Public School Foundation  
 Eversource  
 Exelon  
 Exelon Foundation  
 Exelon Generation  
 First Roswell Company  
 Foundation for Environmental Education  
 FPL  
 The Franklin Institute  
 George Mason University – Environmental Science and Policy  
 Gerald Harrington, Geologist  
 Government of Thailand–Energy Ministry  
 Grayson RECC

Green Power EMC  
 Greenwired, Inc.  
 Guilford County Schools–North Carolina  
 Gulf Power  
 Harvard Petroleum  
 Hawaii Energy  
 Houston LULAC National Education Service Centers  
 Illinois Clean Energy Community Foundation  
 Illinois International Brotherhood of Electrical Workers Renewable Energy Fund  
 Illinois Institute of Technology  
 Independent Petroleum Association of New Mexico  
 Jackson Energy  
 James Madison University  
 Kansas Corporation Commission  
 Kentucky Office of Energy Policy  
 Kentucky Environmental Education Council  
 Kentucky Power–An AEP Company  
 Kentucky Utilities Company  
 League of United Latin American Citizens – National Educational Service Centers  
 Leidos  
 Linn County Rural Electric Cooperative  
 Llano Land and Exploration  
 Louisiana State University – Agricultural Center  
 Louisville Gas and Electric Company  
 Midwest Wind and Solar  
 Minneapolis Public Schools  
 Mississippi Development Authority–Energy Division  
 Mississippi Gulf Coast Community Foundation  
 National Fuel  
 National Grid  
 National Hydropower Association  
 National Ocean Industries Association  
 National Renewable Energy Laboratory  
 NC Green Power  
 Nebraskans for Solar  
 New Mexico Oil Corporation  
 New Mexico Landman's Association  
 NextEra Energy Resources  
 NEXTracker  
 Nicor Gas  
 Nisource Charitable Foundation  
 Noble Energy  
 North Carolina Department of Environmental Quality  
 North Shore Gas  
 Offshore Technology Conference  
 Ohio Energy Project  
 Oklahoma Gas and Electric Energy Corporation  
 Oxnard Union High School District  
 Pacific Gas and Electric Company  
 PECO  
 Pecos Valley Energy Committee  
 People's Electric Cooperative  
 Peoples Gas  
 Pepco  
 Performance Services, Inc.  
 Petroleum Equipment and Services Association  
 Permian Basin Petroleum Museum

Phillips 66  
 Pioneer Electric Cooperative  
 PNM  
 PowerSouth Energy Cooperative  
 Providence Public Schools  
 Quarto Publishing Group  
 Prince George's County (MD)  
 R.R. Hinkle Co  
 Read & Stevens, Inc.  
 Renewable Energy Alaska Project  
 Resource Central  
 Rhoades Energy  
 Rhode Island Office of Energy Resources  
 Rhode Island Energy Efficiency and Resource Management Council  
 Robert Armstrong  
 Roswell Geological Society  
 Salal Foundation/Salal Credit Union  
 Salt River Project  
 Salt River Rural Electric Cooperative  
 Sam Houston State University  
 Schlumberger  
 C.T. Seaver Trust  
 Secure Futures, LLC  
 Seneca Resources  
 Shell  
 Shell Carson  
 Shell Chemical  
 Shell Deer Park  
 Shell Eco-Marathon  
 Sigora Solar  
 Singapore Ministry of Education  
 Society of Petroleum Engineers  
 Sports Dimensions  
 South Kentucky RECC  
 South Orange County Community College District  
 SunTribe Solar  
 Sustainable Business Ventures Corp  
 Tesla  
 Tri-State Generation and Transmission  
 TXU Energy  
 United Way of Greater Philadelphia and Southern New Jersey  
 University of Kentucky  
 University of Maine  
 University of North Carolina  
 University of Rhode Island  
 University of Tennessee  
 University of Texas Permian Basin  
 University of Wisconsin – Platteville  
 U.S. Department of Energy  
 U.S. Department of Energy–Office of Energy Efficiency and Renewable Energy  
 U.S. Department of Energy–Wind for Schools  
 U.S. Energy Information Administration  
 United States Virgin Islands Energy Office  
 Volusia County Schools  
 Western Massachusetts Electric Company - Eversource