

Energy Conference for Educators

Energy & Education: Making the Connection

Presented by the Kentucky NEED Project, an affiliate of the National Energy Education Development Project.



What teachers said about last summer's conference:

"This has been one of the best teaching experiences I have had in my career."

"Field trips were great."

"It was a well-planned adventure of a lifetime."

"I came into this not knowing a lot and came out feeling so much better equipped to teach energy in my classroom."

"Thanks for a great week! The information and resources will be very helpful in my classroom."

"Everything was terrific."

"So organized! Wonderful experience. Above and beyond what was expected."

June 14 – 18, 2004

Teachers will tour Eastern Kentucky visiting energy sites and connecting energy to the classroom.

All meals, hotel lodging, and transportation on a luxury charter bus are provided through the generosity of the Kentucky Division of Energy, the Kentucky Coal Council, American Electric Power and the Equitable Foundation.

About the NEED Project

The National Energy Education Development (NEED) Project is a nonprofit organization that has focused on teaching students and teachers about energy for over 20 years.

NEED works with the education community and the energy industry to design and distribute materials that are designed to meet the diverse needs and learning styles of students, and are teacher-tested to ensure success in the classroom.

NEED programs and activities are:

- Science-based
- Interdisciplinary
- Inquiry-based
- Hands-on
- Designed for grades K-12
- Reviewed by a National Teacher Advisory Board
- Correlated to National Science Education Content Standards
- Correlated to the Kentucky Program of Studies

NEED also conducts student and teacher training programs, provides evaluation tools, and recognizes outstanding student and teacher achievement.

TOUR STOPS

Hydropower Plant

HydroCarbon Plant, Natural Gas Well & Compression Station

Coal-fired Power Plant

Surface and Underground Coal Miens

Mine Reclamation Site

Vernal Ponds in Daniel Boone National Forest

Landfill Gas-to-Electric Generating Facility

Solar School

Berea College Ecovillage

Propane Facility

RESOURCES

Participants will receive NEED's classroom curriculum designed for their grade level: **Primary (K-3), Elementary (4-6), Intermediate (6-8), Secondary (8-12)**. They will also receive science kits that include teacher guides, demonstrations and supplies for experiments.



Graduate Credit: Three hours of graduate credit are available from Northern Kentucky University. For admission requirements, see www.nku.edu/~admintnku/. Those accepted will be billed directly by the university. For more information visit www.nku.edu/~scienceed.

Conference Cost: There is no fee for educators attending the conference; the sponsors are funding all costs. A \$100 deposit is required and should be submitted with the conference application. The deposit will be refunded at the conclusion of the conference. The deposit is forfeited if written cancellation notification is not received by May 15, 2004. Lodging is based on double-occupancy.

The registration deadline is April 15, 2004.

To request a conference brochure and registration information mail, fax or email this form to:

The Kentucky NEED Project

P.O. Box 176055

Covington, KY 41017

Fax: (866) 736-8942

E-mail: KReagor@need.org

Mr. Ms. First Name _____ Last Name _____

Grade Level _____ School District _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____ E-mail _____

"I have seen great benefits and enthusiasm both among teachers and students that get involved with the NEED program. Energy tends to be a somewhat abstract concept, especially for younger students. The strategies used in the NEED program address the developmental needs of the students and seek to make the concepts more concrete. I also appreciate the 'real world' connection that is inherent in the materials!"

Karen Kidwell Malphrus, Science Consultant
Kentucky Department of Education

Conference Sponsors:

Kentucky Division of Energy

Kentucky Coal Council

American Electric Power

Equitable Foundation