

INTERNET OF THE NATIONAL ENERGY FOUNDATION SUMMER 2012 – CULTIVATING AND PROMOTING AN ENERGY LITERATE SOCIETY

DTE Expansion Boosts NEF Michigan Effort

DTE Energy and National Energy Foundation (NEF) have partnered to bring THINK! ENERGY to teachers and students throughout the DTE service territory. DTE, a Detroit based utility providing both natural gas and electricity to Michigan consumers, is expanding its support of the THINK! ENERGY program as a part of a commitment to educating students and their households on energy awareness and management. The program promotes energy efficiency and delivers real energy savings.

A pilot program was implemented in 2010 and 2011, with over 4,000 Michigan students and teachers participating. Based on the pilot's success, DTE determined in the spring of 2012 to expand the program throughout its combined gas and electric territory, with additional program growth in the works.

NEF's Michigan programs have been anchored since 2009 by Consumers Energy, with Efficiency United and DTE joining in 2010. The programs have been a source of employment opportunities in Michigan.



A local staff has been key in presenting energy education to thousands of young people across the state.

With the growth to the DTE program and to better serve Michigan educators, NEF has opened a new Detroit area office that will serve as the statewide hub for implementation. Janet Salley is the office manager while Tammi Phillippe and Tanya Hill are program coordinators. All three women have previously worked in the programs and will bring experience and professionalism to their leadership of the staff.

The Michigan Department of Education serves the **THINK! ENERGY** programs in a consulting role ensuring that the instructional presentation and materials are correlated to the Michigan Grade Level Content Expectations for grades four and six. This collaborative partnership assists the partners in providing relevant educational support to educators. Students learn that energy efficiency is not only good for the environment, but can be fun and interesting as they are empowered to make a difference in their families' energy use.

The DTE expansion takes the Michigan programs to a new level of service to teachers, students and their households. Thank you to DTE Energy for their commitment to energy education and their communities.

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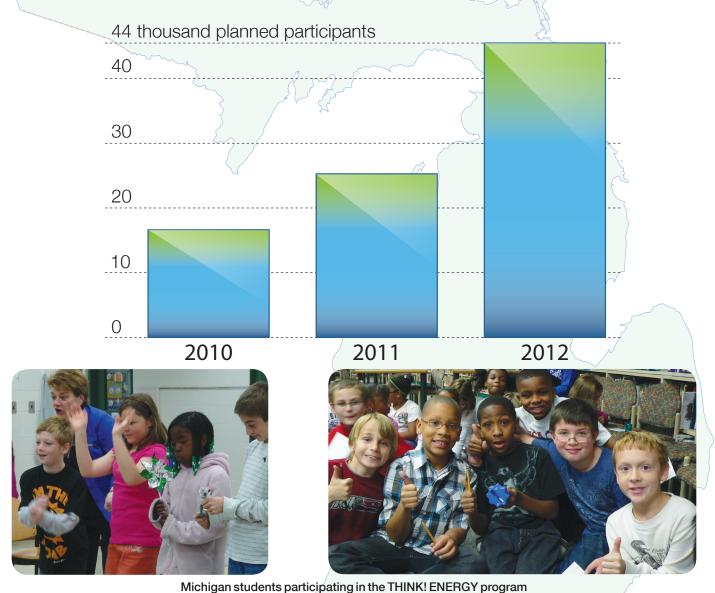


Record Numbers in Michigan

NEF is proud to partner with multiple energy providers in Michigan to increase the number of students and teachers reached by **THINK! ENERGY** this year. The Michigan growth is not limited to the new DTE program; Consumers Energy, Lansing Board of Water and Light (BWL) and Efficiency United (EU) have also expanded the scope of their **THINK! ENERGY** programs.

In addition to Consumers Energy's existing program, they are joining BWL in extending the opportunity to an additional 1,250 teachers and students. The two utilities teamed up for students who receive natural gas service from Consumers Energy and electricity service from BWL. The partnership allows these students to receive energy efficiency technologies and energy efficiency education that save both electricity and natural gas.

The enthusiasm for energy efficiency in Michigan is further emphasized by Efficiency United, a collaboration of small utilities from throughout the state, who continue to sponsor **THINK! ENERGY**. The **THINK! ENERGY with Efficiency United** program will reach over 2,700 students this year. In all, the Michigan programs will have a combined 44,000 participants; a new record for the state of Michigan and also NEF.



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NEF's Conference Attendance

N ational Energy Foundation is attending energy conferences all over the country. The wide range of energy related topics help NEF to keep our program materials and curriculum current. Renewable energy, energy efficiency, oil and gas, and unconventional fuels are just a few of the topics covered in the past six months. Increasing conference presence allows NEF to keep a finger on the pulse of the energy industry. Meeting other energy experts to share strategies and information helps create a comprehensive approach to accomplishing our mission of "promoting an energy literate society."

Conferences Attended

Energy efficiency conferences

- Midwest Energy Efficiency Alliance, January 11 – 14, 2012, Chicago, IL
- Association of Energy Service Professionals, May 15 – 17, 2012, Baltimore, MD

 Northeast Energy Efficiency Partnership, June 14 – 16, 2012, Stamford, CT

Oil, gas and mining conferences

- University of Utah Unconventional Fuels
 Conference, May 15, 2012, Salt Lake City, UT
- Rocky Mountain Coal Mining Institute, May 17

 18, Price, UT
- Interstate Oil and Gas Compact Commission, June 3 – 6, 2012, Vancouver, BC

Other conferences

- Milford Renewable Energy Fair, April 28, 2012, Milford, UT
- Edison Electric Institute, June 3 6, 2012, Orlando, FL
- National Energy and Utility Affordability Conference, June 11 – 13, 2012, New Orleans, LA



Ian Wright at the Midwest Energy Efficiency Alliance conference (left) and the Utah Genius Awards ceremony (right)



New Nuclear and Water Posters

ational Energy Foundation is pleased to announce N revisions of two popular educational posters. NEF's Water and Nuclear posters have been updated. Both posters have new art on the front and eight new, one-page panels of curriculum on the back.

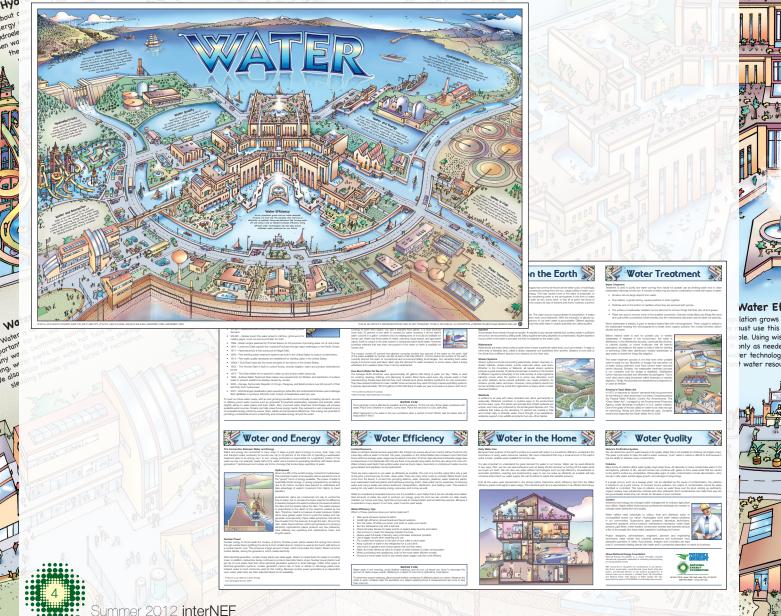
The front of the posters demonstrate the newest technologies and science in water and nuclear fields. These posters take difficult subject matter and make it easily understandable for students, teachers and parents. Each poster is a stand-alone informational piece; a class will get a great overview of the topics with just these posters alone.

NEF would like to extend gratitude to Luke Bockewitz,

from ComEd and Elizabeth McAndrew-Benavides from Nuclear Energy Institute for providing their expertise in revising the Nuclear poster. Also, NEF would like to extend appreciation to professional engineer J. Holland Scott for providing his expertise in the revision of the Water poster.

NEF undertakes curriculum revisions every year to remain current and provide the best quality energy education available. New art and updated information will assure that these two posters will continue to be effective and informative!

Be sure to check out the new online NEF store at store.nef1.org.





Customization Opportunity

NEF has the ability to create a custom version of posters or materials by prominently displaying a sponsor's logo. These posters, along with most NEF materials, are adaptable to fit sponsors' or customers' needs. Some recent materials collaborations have been with Georgia Power, Gulf Power, Johnson Controls, Inc. and NYSERDA among others. A custom poster is a great

way for a utility or any other company or organization to demonstrate commitment to community and education.

t intended to be a technical illustration • Printed on recycled paper in the USA

For further information about customizing for your organization, please contact lan Wright at 800-616-8326 or by email at ian@nef1.org.



New Employee Program

C² Think Twice

Adding to a long-standing and effective partnership, Vectren and NEF have implemented a new adult education program, C² Think Twice. Employees of Vectren Energy in Indiana are training on a range of subjects related to energy efficiency. C² Think Twice puts in place procedures for "E-Team Captains" who are trained to be energy managers around their offices and homes.

Each of six trainings will have a different theme and focus. Subjects cover furnace fundamentals, transportation, appliances, water, lighting and weatherization to form



a comprehensive energy efficiency education program. The E-Team Captains each receive an information guide with activities that will help Vectren employees use less energy.

This new guide is customized for Vectren employees and has a section dedicated to each training. Every section has an energy challenge to make participation more fun and interesting. For example, in June, employees were encouraged to record their plug loads and energy use and measure what potential impact a Smart Strip[®] power strip would have on total energy usage.

In all, over 550 Vectren employees will be trained on maximizing efficiency with energy usage at home and in the workplace. NEF appreciates the opportunity to partner on Vectren's C^2 Think Twice initiative.



Elissa Richards presenting at a Vectren training session

NEF Announces New Chairman



National Energy Foundation announces Marvin S. Fertel, president and chief executive officer at the Nuclear Energy Institute (NEI), as its new chairman of the board of directors.

Marvin S. Fertel

Mr. Fertel has led NEI since 2009 and previously had been the organization's chief nuclear officer

for six years. He has more than 40 years of experience in consulting electric utilities

on issues related to designing, siting, licensing and managing both fossil fuel and nuclear energy facilities.

Prior to his responsibilities with the Nuclear Energy Institute, Mr. Fertel worked as an executive with organizations such as Ebasco, Management Analysis

Company and Tenera. He joined the U.S. Council for Energy Awareness in 1990 as Vice President of Technical Programs and in 1994 became Vice President of Nuclear Economics and Fuel Supply for NEI. He directed industry-wide efforts to ensure exceptional levels of security at nuclear power plants and to address technical issues related to commercial nuclear energy facilities.

Mr. Fertel has an extensive background in many different aspects of the energy industry. He is a member of the Department of Energy's Nuclear Energy Research Advisory Committee and the U.S. Chamber of Commerce's Committee of 100 leading executives. National Energy Foundation would like to thank Marvin S. Fertel and welcome his leadership as its new chairman.



Congratulations Contest Winners

Energy by Design

nergy by Design (EBD) is a poster contest sponsored by Nicor Gas in Illinois for students from kindergarten through grade eight. The goal of EBD is for students to demonstrate environmental stewardship through a creative process. There were 1,261 student projects entered from 165 teachers. All of the students who enter the contest attend schools within the Nicor Gas territory. Below are a few of the outstanding winners!



Citizens Energy Savers Contest

itizens Gas in Indiana challenged Marion County students, kindergarten through grade eight, to a creative Competition similar to EBD. The rules were simple; students were asked to create a unique poster explaining ways to conserve energy in their community and at home. Here are the grand prize winners of Energy Savers!





Solar For Schools Slogan Contest

ohnson Controls Inc., the Utah State Energy Program and National Energy Foundation U sponsored the Solar for Schools Slogan Contest. This contest allowed for Utah students to come up with a slogan to demonstrate the importance of solar energy. Teachers submitted entries and the winning class received \$250 in NEF materials and their slogan was put on the new NEF Solar for Schools poster. The poster was sent to all of the teachers that entered.

Roger Wilcox and his students from Canyons Technical Education Center (High School) in Canyons District were the winners with the slogan "Watts up with our school, sun?"





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INTERNEF provides news about programs, materials, opportunities and the progress of National Energy Foundation. We appreciate our sponsors and their commitment to education. It is our goal to share the efforts and successes of energy education.

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There is an old proverb that states, "Failure to plan, is planning to fail." Slightly different variations of this quote have been attributed to different people from different cultures throughout the years, but the idea that by not considering the future, we are setting ourselves up for failure is the consistent message. The way we plan for our future energy use and production will play an important role in determining social, economic and political stability.

Planning a future with successful energy management is much like planning a retirement portfolio. In order to give ourselves the best possible chance at success, we need diversity in the natural resources we use. As technological advances continue, Americans have become accustom to the many aspects of life that use a lot of energy. To maintain the way of life that we have come to appreciate, it will be beneficial for us to use the wide range of energy sources available.

As a country, we need an energy plan that will be sustainable for generation after generation. About five percent of the world's population lives in the United States but we use one-fourth of the world's energy. Since energy markets tend to fluctuate, it is important to not get caught up in energy trends that may be the flavor of the month. Keeping an eye on the big picture of energy diversity is important even if both people and markets are drawn to one energy source or another.

The best way to safely secure our energy future and sustain the ability to freely utilize energy is to develop wise practices with coal, natural gas, nuclear, oil, renewable resources and any other source that may gainfully contribute to our energy portfolio. When we employ a range of viable energy options with energy efficiency, then a sustainable plan will more thoroughly be developed. Adapting technology, behavior and public opinion will allow for future energy use without compromising comfort or convenience.



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President's Message