Comprehensive Energy Education Services for Teachers

Professional Development: KEEP courses and educational experiences motivate teachers to integrate important energy concepts into their curriculum.

Resources: From the comprehensive activities guide to KEEP’s resource lending library, teachers have many strategies to build students’ awareness of energy topics and to provide experiences in energy management.

Employment Opportunities: Teachers who are trained, educated, and employed to teach energy education are better able to share their knowledge and help students make good energy-related decisions. The support services and materials that teachers can count on KEEP to help them improve and increase energy education in their classroom.

Wisconsin K-12 Energy Education Program 15-Year Report

Keeping It All Ads up

Wisconsin K-12 Energy Education Program 15-Year Report

Supporting Energy Literacy through KEEP:

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"More than ever, energy and environmental issues continue to gain headlines and impact our everyday lives. Energy education is the key to search energy policy education for the trendsetting guide and new technologies, maintaining a high level of environmental protection and creating a strong voice for the future."  

Kathy Kuntz, Cool Choices (Governor's Action Network)  

"Teaching for KEEP has permitted me the privilege of bringing quality and quality energy education to teachers all over Wisconsin. Through KEEP, these teachers have had the opportunity to effectively bring energy concepts to life in their classroom for hundreds of students. Many KEEP graduates have become energy conscientious citizens by taking money for their district, and (not to be overlooked) saving energy resources from being used and pollution from the air."

Scott Libicki, KEEP Adjunct Faculty and Science Teacher at Green Bay Southwest High School

"KEEP has been an incredible strong force for energy education in the State of Wisconsin. KEEP’s outreach to teachers and students has created an educational foundation to encourage and support the pursuit of the energy sector. KEEP has attracted admiration from other states, and increased in national awareness as an exemplary model of effective K-12 energy education."

Ken Van Epp, KEEP Adjunct Faculty and Chemistry and Engineering Instructor at Madison Area Technical College

"Teachers come to us not knowing what to expect. They return with a heightened level of confidence and they have amended what they do. Indeed, go from teach about energy."

Jeanne Garfield, Director of Curriculum Development and Science Teacher at Madison-Middle School

"Happy 15th Anniversary, KEEP! KEEP’s 15th anniversary is an important milestone for Wisconsin and our approach to energy education in the state. Instead of traveling in short projects that are quickly talked about, forgotten, and private entities. Wisconsin’s energy and climate innovators have created an enduring and effective force for our state’s educationals. As a result, thousands of Wisconsin educators use KEEP resources every year to prepare students for the energy challenges of the 21st Century."

Kathy Kuntz, Cool Choices

"Wisconsin K-12 Energy Education Program (KEEP). The main feature of this report is a timeline that highlight how KEEP has helped teachers, students and citizens. KEEP has engaged thousands of teachers and students in the topic of energy awareness, and continues to be a valuable resource for energy education in Wisconsin. KEEP’s resources and course curriculum are designed to empower teachers to develop lesson plans that are quick and easy to share online."

Rhonda Pittman, Focus on Energy (Wisconsin Center for Environmental Education)

"It is always a pleasure to see the time and effort invested by Wisconsin students and educators. In the past 15 years, KEEP has helped students and citizens to make smart decisions about energy by bringing together education and energy. This has been an important part of KEEP's mission. KEEP has been successful because we have a strong infrastructure and established networks that have been built over the past 15 years. KEEP has engaged thousands of Wisconsin educators and students in the topic of energy awareness. KEEP has been an important organization that is quickly tabled and forgotten, public and private entities. KEEP has created an enduring and effective force for our state’s educationals. As a result, thousands of Wisconsin educators use KEEP resources every year to prepare students for the energy challenges of the 21st Century."

John Betsch, GET for Wisconsin K-12 Energy Education Program (KEEP)

"CESA 10 is thrilled to support KEEP. KEEP is a long-standing leader in energy education, and Focus on Energy is proud of our 10-year partnership with such an organization. KEEP has earned the respect of teachers and students in the topic of energy awareness, and continues to be a valuable resource for energy education in Wisconsin. KEEP’s resources and course curriculum are designed to empower teachers to develop lesson plans that are quick and easy to share online."

Rhonda Pittman, Focus on Energy (Wisconsin Center for Environmental Education)

"As we move into the future, KEEP's mission is to ensure that energy education is an integral part of our education system. KEEP has engaged thousands of Wisconsin educators and students in the topic of energy awareness. KEEP has been an important organization that is quickly tabled and forgotten, public and private entities. KEEP has created an enduring and effective force for our state’s educationals. As a result, thousands of Wisconsin educators use KEEP resources every year to prepare students for the energy challenges of the 21st Century."

John Betsch, GET for Wisconsin K-12 Energy Education Program (KEEP)

"In 15 years, KEEP has implemented a systematic approach to help increase energy literacy of Wisconsin students and citizens. The research and understanding of helping people to make good energy related decisions has become an important part of KEEP's mission. KEEP has engaged thousands of Wisconsin educators and students in the topic of energy awareness. KEEP has been an important organization that is quickly tabled and forgotten, public and private entities. KEEP has created an enduring and effective force for our state’s educationals. As a result, thousands of Wisconsin educators use KEEP resources every year to prepare students for the energy challenges of the 21st Century."

John Betsch, GET for Wisconsin K-12 Energy Education Program (KEEP)
Comprehensive Energy Education Services for Teachers

Professional Development: KEEP courses and educational experiences motivate teachers to integrate important energy concepts into their curriculum.

Resources: From the comprehensive activities guide to KEEP's resource lending library, teachers have many strategies to build students' awareness of energy topics and to provide experiences in energy management.

Technology: Teaching for KEEP has permitted me the privilege of bringing much-needed quality energy education to teachers all over Northeast Wisconsin. Through KEEP, these teachers have an opportunity to historically bring energy concepts to life in their classroom for hundreds of students. Many KEEP graduates have become energy-awareness advocates, saving money for their district, and to boot (without being asked) saving energy resources from being used and环境中living the air in their communities.

Teaching for KEEP has permitted me the privilege of bringing much-needed quality energy education to teachers all over Wisconsin. KEEP has, through its courses, provided an opportunity for historical energy concepts to life in their classroom for thousands of students. Many KEEP graduates have become energy-awareness advocates, saving money for their district, and (not to be overlooked) saving energy resources from being used and consumption.

Student Involvement: KEEP meets students where they are that they do, indeed, go back and teach about energy.
15 Years of Energy Education

- **1996**: Conceptual Framework developed
- **1995**: Activity Guide developed
- **1997**: First Adjunct Faculty Meeting
- **1998**: First KEEP Course offered: Energy Education in the Classroom
- **1999**: Utilities provide Scholarships for KEEP Graduate Credit Courses
- **2000**: Focus on Energy funding
- **2001**: First Newsletter distributed
- **2002**: Promising Practices showcasing exemplary energy education practices
- **2003**: MREA Recognizes KEEP for Outstanding Leadership in Renewable Energy Education
- **2004**: Begin coordination of the Energy Education Bookmark Contest
- **2005**: Online high school energy education supplement developed
- **2006**: Elementary Education Supplement developed
- **2007**: Begin Education: Concepts and Practices Online Course development
- **2008**: WEEB Energy Grants Program – KEEP begins to support Student Built Homes
- **2009**: KEEP conducts Customer Satisfaction Survey
- **2010**: Keep Energy Resource Grants offered Online to target audiences
- **2011**: International overview of KEEP in Japan and Taiwan

**Teachers in KEEP Courses**

- **1997**: 1,000 teachers
- **2003**: 3,000 teachers
- **2011**: 5,000 teachers

**Students Reached** (see cover story)

- **1997**: 125,000 students
- **2003**: 440,000 students
- **2011**: 1,620,000 students

**Energy Education Resource Grants Offered Online to target audiences**

- **2004**: Renewable Energy in Building Science Conceptual Framework Completed
- **2006**: Wisconsin Society of Science Teachers’ Association Recognizes KEEP for Outstanding Contributions to Science Education
- **2008**: Governor’s High School Conference on the Environment: Climate Change: Investigating the Issue in Wisconsin and Beyond
- **2009**: We Energies sponsors Solar Tour of Homes for teachers
- **2010**: Renewable Outreach to Family and Consumer Science Teachers
- **2011**: Five WI Teachers Travel to Taiwan to Showcase KEEP

**Utilities provide Scholarships for KEEP Graduate Credit Courses**

- **2002**: First KEEP Course offered: Energy Education in the Classroom
- **2003**: Energy and Your School Activity Guide developed
- **2004**: Wisconsin Public Service hosts Solar Olympics at UW-Stevens Point
- **2005**: On-line agriculture education supplement developed
- **2006**: Online high school energy education supplement developed

**Wisconsin Office of Energy Independence Offers Energy Education Grants in Support of KEEP**

- **2007**: Sustainable Energy Education initiative begins
- **2008**: Alliant Energy develops KEEP commercial
- **2009**: Wisconsin Society of Science Teachers’ Association Recognizes KEEP for Outstanding Contributions to Science Education
- **2010**: Renewable Outreach to Family and Consumer Science Teachers
- **2011**: Five WI Teachers Travel to Taiwan to Showcase KEEP

**Energy and Your School Activity Guide developed**

- **2002**: Focus on Energy funding
- **2003**: Technology Education Focus Group
- **2004**: Program areas identified through a statewide nominal assessment
- **2005**: Renewable Energy Education Online Course developed
- **2006**: KEEP receives IREC’s Renewable Energy Recognition Award
- **2007**: KEEP receives IREC’s Renewable Energy Recognition Award
- **2008**: Web-based, Bioman Energy Education Supplement published
- **2009**: KEEP receives IREC’s Renewable Energy Recognition Award
- **2010**: KEEP receives IREC’s Renewable Energy Recognition Award

**5,000 teachers**

**2,520,000 students**

**4,000 teachers**

**1,600,000 students**

**1,000 teachers**

**125,000 students**

**8,000 teachers**

**440,000 students**

**3,000 teachers**

**750,000 students**

**2,000 teachers**

**440,000 students**

**1,000 teachers**

**125,000 students**
15 Years of Energy Education

1995
- Conceptual Framework developed
- Activity Guide developed
- Utilities provide Scholarships for KEEP Graduate Credit Courses
- First Adjunct Faculty Meeting
- First KEEP Course offered: Energy Education in the Classroom

1996
- Wisconsin Society of Science Teachers’ Association recognizes KEEP for outstanding contributions to science education
- Keeping Wisconsin Health hosts Renewable Energy in Building Science Conceptual Framework completed
- Governor’s High School Conference on the Environment: Power Up Wisconsin: Charging Ahead to an Energy Efficient Future

1997
- Wisconsin Office of Energy Independence offers Energy Education Grants in Support of KEEP
- iCanConserve™ School to Home Program begins
- Renewable Energy in Building Science Conceptual Framework completed
- Governor’s High School Conference on the Environment: Cyberpower Powering Up Wisconsin: Improving Skills for a Green Economy

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- Wisconsin Office of Energy Independence offers Energy Education Grants in Support of KEEP
- Sustainable Energy Education initiative begins
- Renewable Energy in Building Science Conceptual Framework completed

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- Renewable Energy in Building Science Conceptual Framework completed
- Focus on Energy funding
- Program areas identified through a statewide nominal assessment
- Wisconsin Public Service holds Solar Olympics at UW-Stevens Point
- KEEP begins to support Student Built Homes

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- KEEP receives IREC’s Renewable Energy Recognition Award
- Online high school energy education course developed
- KEEP conducts Customer Satisfaction Survey

2001
- KEEP receives IREC’s Renewable Energy Recognition Award
- Online high school energy education course developed
- Bright Idea Fundraiser launched
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- KEEP receives IREC’s Renewable Energy Recognition Award

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Teachers in KEEP Courses

Students Reached

(see cover story)

1995
- 1,000 teachers
- 2,000,000 students

1996
- 2,500 teachers
- 5,000,000 students

1997
- 3,000 teachers
- 7,500,000 students

1998
- 4,000 teachers
- 10,000,000 students

1999
- 5,000 teachers
- 12,500,000 students

2000
- 6,000 teachers
- 15,000,000 students

2001
- 7,000 teachers
- 17,500,000 students

2002
- 8,000 teachers
- 20,000,000 students

2003
- 9,000 teachers
- 22,500,000 students

2004
- 10,000 teachers
- 25,000,000 students

2005
- 11,000 teachers
- 27,500,000 students

2006
- 12,000 teachers
- 30,000,000 students

2007
- 13,000 teachers
- 32,500,000 students

2008
- 14,000 teachers
- 35,000,000 students

2009
- 15,000 teachers
- 37,500,000 students

2010
- 16,000 teachers
- 40,000,000 students

2011
- 17,000 teachers
- 42,500,000 students

Online agriculture education supplement developed