

CHICAGO, IL AREA

SOLAR AND WIND LEVEL 1 ENERGY WORKSHOP

MARK YOUR CALENDARS!

DATE AND LOCATION

November 1, 2017
IBEW NECA Technical Institute
6201 W 115th Street
Alsip, IL 60803



WHO SHOULD ATTEND?

- Install school teachers
- 4th – 12th Grade Science Teachers
- CTE Teachers
- Math Teachers

FOR THE ATTENDEES:

- It's **FREE**
- Breakfast & lunch provided
- Substitute reimbursement
- Parking
- NEED Solar or Wind Kit
- Illinois state aligned curriculum.

ABOUT THE NEED PROJECT

The NEED Project designs and delivers teacher-tested educational materials, evaluation techniques and tools, recognition of student achievement, and professional development for educators. NEED materials and training programs provide comprehensive, objective information about the scientific concepts of energy and the sources of energy – their use and their impact on the environment, the economy and society.

HOW CAN YOU ATTEND?

Go to http://www.need.org/calendar_list.asp and find the date of the workshop. Click and complete your registration!

QUESTIONS?

Contact Wendi Moss at wmos@need.org or call 1-800-875-5029

ABOUT THE SPONSOR

ICECF

The Illinois Clean Energy Community Foundation launched its K-12 Solar Schools Program in 2006, and it's K-12 Wind Schools Pilot in 2011 to introduce the future of energy technology to today's students. To date, the Foundation's programs have awarded grants to over 300 schools across Illinois to support the installation of small scale solar PV and wind systems. Although small, each system will become part of the school's curriculum as well as generate free electricity.

More information and monitoring can be found at

www.IllinoisSolarSchools.org



ILLINOIS SOLAR AND WIND ENERGY WORKSHOP

November 1, 2017

IBEW NECA Technical Institute

6201 W 115th Street

Alsip, IL 60803

Agenda

- 8:30 a.m. Registration**
Pick up NEED materials and conference supplies. Continental breakfast will be served. NEED curriculum kits are sponsored for each teacher attending the workshop, including Energy Infobooks at three grade levels, and much more!
- 8:45 a.m. Welcome, Renewable Energy Bingo, and Learning about ICECF Opportunities**
Review goals and objectives for the workshop and begin planning ways to use the NEED materials and training in your school. Learn more about the ICECF and programs available to local schools. Play Renewable Energy Bingo for prizes!
- 9:30 a.m. Science of Energy**
These hands-on forms of energy lessons help explain the forms of energy and energy transformations. Understanding the forms of energy guides students to deeper knowledge of renewable and nonrenewable energy sources and how we use the energy harnessed from each.
- 11:00 a.m. Wind Energy 101**
- 11:15 a.m. Exploring Wind Energy**
These lessons encourage inquiry into wind energy and the transformation of mechanical energy into electricity.
- 12:00 p.m. Lunch**
- 12:45 p.m. Solar Energy 101**
- 1:00 p.m. Exploring Solar Energy**
Explore radiant energy transformations and the production of electricity from solar energy. The ICECF has sponsored *NEED Solar* education kits for all participating schools. These lessons and activities provide activities to engage students in learning about renewable energy. Use interdisciplinary lessons to integrate more solar in the classroom too!
- 2:30 p.m. Using Solar Installation Data in the Classroom**
- 3:00 p.m. The Paperwork! Evaluation, Selection of Kits, and Wrap-up**
- 3:30 p.m. Adjourn**

Special thank you to our sponsor



Special thank you to IBEW NECA Technical Institute for event location sponsorship.