



## PG&E Solar Schools Summer Series

**What:** PG&E Solar Schools Workshop on Wind and Solar at The University of California, Davis  
**When:** August 5-6, 2008  
**Where:** University of California, Davis in partnership with the California Wind Energy Collaborative  
**Cost:** Free to K-12 educators.

**What will you receive:** Over \$800 of hands-on electricity and solar kits  
Those attending from over 60 minutes away will be provided lodging  
All meals are provided  
Certificates will be provided for professional development hours

### ***What do Wind Power and Solar Power have in common? Lots!***

Solar energy and wind energy capture renewable energy to generate electricity.

### ***Wondering how to bring solar energy, wind energy and energy awareness lessons into your classroom?***

Join us for a two day conference blending hands-on lessons and interactive activities with a tour of one of California's wind generation sites. Learn more about solar energy and wind energy, and how both are integral to generating the electricity we need to power our homes, schools and businesses. Thanks to a partnership with the University of California Davis and the California Wind Energy Collaborative, this two-day workshop will provide participants with solar and wind energy background, hands-on lessons, and up-close knowledge of wind energy in California.

Thanks to the support of Pacific Gas and Electric Company, all participating teachers will receive a **Solar Schools Kit** and a **Wind Energy Kit**, and a wealth of other curricular materials created by PG&E's partner, the National Energy Education Development (NEED) Project. Participants will receive over \$800 of hands-on kits and student materials. The curriculum and training is correlated to California Department of Education standards and will help energize your classroom!

The NEED Project's mission is to promote an energy conscious and educated society. NEED is the nation's leading provider of energy education programs and materials to schools. The NEED program includes teacher tested educational materials, evaluation techniques and tools, recognition of student achievement, and professional development for educators.

Registration for workshops is due 15 days prior to the workshop. The workshop is limited to 40 participants.

**How do I register?** Complete the registration form attached to this document and fax to 1-800-847-1820 or email the information required to Zarin Sidiqi at [zsidiqi@need.org](mailto:zsidiqi@need.org).

**What happens after I register?** Confirmations will be sent with additional details – lodging, directions, updated agendas – via email. Be certain to set your spam blocking software to accept email from need.org.

**Are there details about the tour I need to know?** Proper attire for the tour includes slacks and leather upper shoes that are flat-heeled and closed-toed. Please advise us in advance if you have special needs, such as a pacemakers, mobility impairment, etc.

If you have questions or need further information about PG&E Solar Schools Workshops, contact NEED at 800-875-5029 or email Barry Scott, PG&E Solar Schools Coordinator at [bscott@need.org](mailto:bscott@need.org).

Questions? Call 800-875-5029 or email [pgesolarschools@need.org](mailto:pgesolarschools@need.org).





**PG&E Solar Schools Solar and Wind Workshop  
August 5-6, 2008**

**Day One**

---

- 10:00 a.m.**            **Registration and Solar Coffee Break**  
Pick up materials, learn more about the PG&E Solar Schools Program, and enjoy muffins and snacks made in solar ovens.
- 10:30 a.m.**            **Welcome**  
**U.C. Davis and the California Wind Energy Collaborative** - Dr. Case van Dam  
**PG&E's Commitment to Energy Education in Schools** – Karalee Browne  
**Understanding the PG&E Solar Schools Program** – Barry Scott
- 11:00 a.m.**            **Wind Energy Bingo**
- 11:30 a.m.**            **The Science of Electricity**  
Using components from NEED's Science of Energy kit, learn more about the generation of electricity from solar and wind.
- 12:30 p.m.**            **Lunch**  
More solar snacks for dessert and solar tea!  
PG&E Solar Schools Kits displayed for educators to explore
- 1:30 p.m.**            **Tour of the U.C. Davis Department of Mechanical and Aeronautical Engineering**
- 3:00 p.m.**            **Energy Enigma**  
Participants work in groups to learn about the nation's leading energy resources – renewable and nonrenewable – to learn more about generation of electricity and transportation usage in the United States. Participants will uncover clues to find answers to energy questions.
- 4:00 p.m.**            **Hands-on Solar Activities**  
All participants receive the PG&E Solar Schools kit of their choice.  
Kits are available for Primary, Elementary, Intermediate, and High School levels.
- 5:00 p.m.**            **Adjourn**  
Lodging is provided for teachers traveling more than an hour to attend. Dinner will be provided to overnight guests. Local teachers are invited to join the group for dinner.

## Day Two

---

- 7:30 a.m.**            **Breakfast**  
During breakfast, participants build their own solar ovens to begin preparing for lunch.
- 8:30 a.m.**            **The Science of Wind**
- 9:15 a.m.**            **Exploring Wind**  
Participants learn more about wind energy from a brief introduction followed by hands-on lessons and breakout groups at primary, elementary, intermediate, and secondary grade levels. All participants receive the NEED Wind Energy kit of their choice.
- 12:00 p.m.**          **Lunch**
- 1:00 p.m.**            **Exploring Wind continued**
- 2:00 p.m.**            **Depart for Tour of Solano County wind turbines**  
Learn more about how wind power is becoming an increasingly important contributor to California's energy mix during this "up close and personal" tour!
- 5:00 p.m.**            **Return from Tour**  
Complete workshop evaluations and order forms.  
Receive Certificates of Completion for this training.
- 5:30 p.m.**            **Program Adjourns**