



West Basin Municipal Water District is seeking a high school to sponsor in Solar Cup 2010! Are you interested?

WHAT IS SOLAR CUP?

Solar Cup is an extracurricular event where high school teams design and construct a boat that runs on solar power. The team boat competes in two races, a sprint competition and an endurance event. Both races test the team's ability to design their solar boats for maximum energy efficiency as well as speed. The event will be held in May 2010 at Lake Skinner in Riverside County.

The Metropolitan Water District of Southern California (MWD) is the event sponsor and will offer boat building and technical assistance to the selected student team to ensure they create and operate a safe, solar-powered boat. West Basin Municipal Water District will provide \$2,500-\$4,000 in funding for all basic boat building materials for the selected team.

WHY SOLAR CUP?

Solar Cup is an opportunity for students to gain understanding in the following areas:

- * Stewardship of natural resources
- * Science
- * Mathematics
- * Engineering
- * Awareness of water quality issues such as body contact, water conservation and other issues that face MWD
- * Alternative energy and fuel sources
- * Careers in engineering, mechanical design or the water industry

WHAT IS NEEDED TO COMPETE?

- * Faculty advisors who can motivate and guide the student team. These faculty members should be able to surround themselves with experts in mechanical and electrical skills.
- * A group of students whose interests include mechanical and electrical devices, boating, woodworking, graphic design, communication and working as a team.
- * A time commitment that includes attending the Saturday workshops described below and the weekend culminating event in May:
 - o **Boat Building Workshop** - where the hull will be built

- **Technical Workshop(s)** - where important technical information and event rules will be discussed and demonstrated
 - **Boat Inspection Day** – Two weeks prior to the event, the Solar Cup Technical Team makes a final review of the boats to identify any problems and resolve them appropriately
- ★ West Basin Municipal Water District will pay \$4,000 directly to a selected rookie school, or \$2,500 to a selected veteran school to purchase items such as:
- Batteries
 - Solar panels
 - Steering mechanisms
 - Safety devices
 - Wiring
- ★ No additional money may be spent on the boat building materials. Additional funds can be raised for other items such as a boat trailer or refreshments.

Interested applicants can view the progress of West Basin sponsored 2008 and 2009 solar boat teams by visiting the Solar Cup web pages at www.westbasin.org.

Interested high school advisors should complete and submit the attached team application form by **Friday, May 1, 2009**. All interested applicants are **strongly encouraged to attend one-day between May 15 through May 17, 2009** of the boat racing event at Lake Skinner. Final selection of the 2010 high school team will take place in June, 2009.

For additional information regarding the program and May racing event, visit MWD's Solar Cup web page at www.mwdh20.com, or contact Darryl Ramos-Young, West Basin Municipal Water District Education Coordinator at (310) 660-6216 or darrylr@westbasin.org

Team Applications can be mailed to:
 West Basin Municipal Water District
 Attn: Darryl Ramos-Young
 17140 S. Avalon Blvd., Suite 210
 Carson, CA 90746-2730

or emailed to:
darrylr@westbasin.org





TEAM APPLICATION FORM.....Due Friday, May 1, 2009

Name of School or Group:

Name of Advisor:

Address:

Phone:

Email:

Brief description of group's background in science, technology or industrial arts:

Brief description of how Solar Cup supports the school's curriculum or group's goals:

Brief description of the group's access to industrial arts equipment, resource people or construction workshop space that would support the group's successful completion of the boat building project:

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