

Thank You Sponsors

San Bernardino Valley
Municipal Water District

San Gorgonio Pass Water Agency

Coachella Valley Water District

City of Redlands

San Bernardino Municipal Water Department

West Valley Water District

East Valley Water District

Yucaipa Valley Water District

San Bernardino Valley Water
Conservation District

Computerized Embroidery Company

Inland Empire Resource Conservation District



The Challenge

The Inland Solar Challenge is an educational event gathering local high school students to build 16-foot boats equipped with solar technology and ultimately race them at Yucaipa Regional Park. The event is aimed at enrolling the future generation in education emphasizing sustainability.

The annual three day event culminates a six-month-long program which begins with a boat build hosted by sponsoring water agencies. Once built, teams take the boats back to their schools where they spend many hours fitting them with the required technology. During this time students fine tune their designs to prepare for competition. Students work on their boats at their local high school, while motivated instructors help the students get the most out of this learning experience.

At the event, the high school teams compete in an endurance, slalom and sprint race assigned time-based point values. In the months prior, teams prepare two technical reports on boat design and a Public Service Announcement (PSA) on water conservation that is presented at the event. These reports and presentation are judged and assigned points according to their respective grading rubrics. The team with the most points overall wins the competition.

The event costs are paid for through sponsorships from local companies and water agencies.



MAY 20-22, 2022

Yucaipa Regional Park

33900 Oak Glen Road, Yucaipa, CA 92399

Event Info

Devin Arciniega, Chair
SAN BERNARDINO MUNICIPAL
WATER DEPARTMENT
(909) 269-2931

Jenna Shimmin, Co-Chair
COACHELLA VALLEY
WATER DISTRICT
(760) 398-2661 Ext. 3405

inlandsolarchallenge.com

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Schedule of Events

FRIDAY, MAY 20, 2022

Registration	8:00am – 2:00pm
Inspections	8:00am – 4:00pm
Lunch	12:00pm – 1:00pm
Dinner	5:00pm – 6:00pm

SATURDAY, MAY 21, 2022

Breakfast	7:00am – 8:00am
Team Meetings	8:00am
Inspections	8:15am

SPRINT RACE

1. Desert Hot Springs	8:40am
2. Rialto	9:00am
3. Redlands East Valley	9:20am
4. Desert Mirage	9:40am
5. Cathedral City	10:00am
6. Banning	10:20am
7. Cajon	10:40am
Lunch	11:30am – 12:30pm
Inspections	1:00pm

SLALOM RACE

1. Desert Hot Springs	1:20pm
2. Banning	1:40pm
3. Desert Mirage	2:00pm
4. Redlands East Valley	2:20pm
5. Cajon	2:40pm
6. Rialto	3:00pm
7. Cathedral City	3:20pm



SATURDAY CONTINUED

PSA PRESENTATIONS

Dinner	4:00pm – 5:00pm
1. Rialto	5:40pm
2. Cajon	5:50pm
3. Banning	6:00pm
4. Redlands East Valley	6:10pm
5. Cathedral City	6:20pm
6. Desert Hot Springs	6:30pm
7. Desert Mirage	6:40pm

SUNDAY, MAY 22, 2022

Breakfast	7:00am – 8:00am
Team Meetings	8:00am
Inspections	8:15am

ENDURANCE RACE

1. Rialto	8:40am
2. Banning	8:50am
3. Desert Mirage	9:00am
4. Redlands East Valley	9:10am
5. Desert Hot Springs	9:20am
6. Cathedral City	9:30am
7. Cajon	9:40am

AWARDS & LUNCH	11:30am – 12:30pm
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PARTICIPATING HIGH SCHOOLS

- Banning High School
- Cajon High School
- Cathedral City High School
- Desert Hot Springs High School
- Desert Mirage High School
- Redlands East Valley High School
- Rialto High School

ISC COMMITTEE MEMBERS

- CITY OF REDLANDS
- COACHELLA VALLEY WATER DISTRICT
- EAST VALLEY WATER DISTRICT
- SAN BERNARDINO MUNICIPAL WATER DEPARTMENT
- SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
- WEST VALLEY WATER DISTRICT
- YUCAIPA VALLEY WATER DISTRICT

Recharging Communities with Groundwater (PSA TOPIC)

During dry years, groundwater contributes up to 60 percent of our region's annual supply. An efficient way to secure and increase the availability of groundwater supply is through recharge. Many water retailers are investing in groundwater recharge projects to improve water levels and secure long term water supply.

This year, students are required to research information on their water agency's groundwater supply and the investments being made to ensure sustainability of this resource. Participating teams will prepare a public service announcement highlighting the benefits of groundwater recharge projects and the methods used to replenish their local groundwater basins.

The objective of this report is to bring awareness and continued support to the investments being made across the Inland Empire to ensure water supply reliability through groundwater recharge.

