



Visitors Guide



Clean+Renewable+Efficient
ENERGY EXPOSITION

October 3-6 & October 10-13, 2013 • 11a.m.-7p.m. • Orange County Great Park • Irvine, CA



A SunShot Innovation Pavilion (Exhibitors)

- A1** American Society of Landscape Architects Garden Courtyard
- A2** Energy Upgrade California Display
- A3** OPT Telescopes
- A4** SunShot Exhibit

B Foundation for the Great Park Powerful Ideas Symposium

C Bosch Community Fund Powerful Ideas Classroom

- C1** Kids Discovery Village
- C2** Irvine Public Schools Foundation Booth

D Outdoor Exhibitors

- D1** Empower America Coalition
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E XPO Food Pavilion

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- E2** Gourmet Food Trucks

F Competitors Pavilion

G Transportation Zone

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- G2** Toyota Drive Center
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- G5** Schneider EV Display
- G6** The California Center for Sustainable Energy EV Display
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H ABC Green Home

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FOUNDATION FOR THE GREAT PARK POWERFUL IDEAS SYMPOSIUM

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CA



H ABC Green Home

Directions: Follow the Walkable Timeline from the XPO site to our sports fields. The ABC Green Home will be located to your right, across the street from the North Lawn parking lot.



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Welcome!

For the first time, the **U.S. Department of Energy Solar Decathlon** is being held outside of Washington, D.C., and we are so pleased that the chosen host city is Irvine, at this destination location, the Orange County Great Park.

Also for the first time, an XPO has been added to provide an even greater visitor experience.

The XPO is a clean, renewable, and efficient energy exposition that is hosted alongside the U.S. Department of Energy Solar Decathlon 2013. Through fun, interactive exhibits and activities, the XPO will provide visitors with information about the broad spectrum of energy efficiency options in home design, transportation, consumer products, food production and education.

Together, Solar Decathlon 2013 and the XPO create a unique and powerful showcase for technology, education, products, arts and business opportunities related to clean and renewable energy generation and efficient energy use.

On behalf of the Irvine City Council, I welcome you.



Steven S. Choi, Ph.D.

Mayor

City of Irvine

XPO Information

The XPO

The **XPO** is a clean, renewable and efficient energy exposition, featuring visionary and innovative companies, products and educational opportunities, developed around the U.S. Department of Energy Solar Decathlon 2013 at the Great Park.



Through fun, interactive exhibits and activities, the XPO provides visitors with information about the broad spectrum of energy efficiency in home design, transportation, consumer products, food production and education. Visitors can experience actionable ways to implement energy efficiency today and into the future, with the goal that attendees leave the XPO with tools and resources to live differently.



XPO Features



The **SunShot Innovation Pavilion** features an educational trade show connecting consumers to clean, renewable, efficient energy companies, products and services and also showcases the U.S. Department of Energy's SunShot Initiative, featuring educational activities and displays from a variety of solar companies.



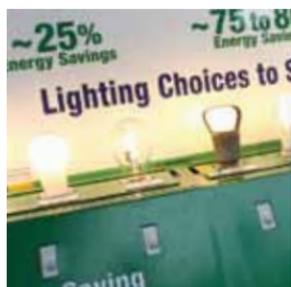
The **Bosch Community Fund Powerful Ideas Classroom** features the Kids Discovery Village, including educational activities and lessons focused on science, engineering, architecture and energy for preschool through high school students.



The **Transportation Zone** includes several dynamic elements, including The California Challenge, a competition of student-designed electric and energy efficient vehicles in a time trial format. Also featured, is the Toyota Drive Center, which offers test drives of fuel-efficient hybrids and zero emission, plug-in electric vehicles and the Bosch eBike Experience.



The **Palm Court Arts Complex** hosts engaging gallery exhibitions where guests can explore, discover and experience how art can be influenced by environment and the environment by art, as well as the Makers Depot, an exhibition exploring how the new world of 3D design and 3D printing is revolutionizing the creative process across a variety of industries.







The **XPO Food Pavilion** features a central gathering place and market with fresh organic produce, healthy food and refreshments and seating.



The **Foundation for the Great Park Powerful Ideas Symposium** features guest speakers and panelists presenting useful, innovative ideas related to clean, renewable, efficient energy and its connection with the world and our everyday lives.



The **Competitors Pavilion** showcases the colleges and universities competing in the Solar Decathlon 2013, providing opportunities to learn more about the technology and innovation used in the student teams' homes. This Pavilion also features the American Institute of Architects Orange County Student Design Committee Awards and the Solar Decathlon Alumni Association.



The **Farm + Food Lab** features fun, educational exhibits and workshops for adults and children that focus on maintaining healthy gardens and the benefits of growing nutritious, delicious food at home.



The **ABC Green Home** features tours of the certified net-zero energy home created by Southern California Edison, *Green Home Builder* magazine and a host of innovative and creative vendors and suppliers, located at the Orange County Great Park.

Bosch Community Fund Powerful Ideas Classroom

Featuring the Kids Discovery Village

The **Kids Discovery Village** is a first-of-its-kind exhibition featuring four distinct areas that are dedicated to raising a child's environmental and community awareness. The four areas of the exhibit include topics on energy, insulation, plant-life and open-space concepts.

Energy From the Sun

Children are able to interact with several small-scale solar panels to experiment with how they work and factors that affect power-generation, such as time of day, season and position. Plus, they can discover how energy from the sun is converted into electricity and power.

Insulation: Learning from Animals

In this area, children explore different materials that can be used as insulation. They also perform an experiment that utilizes a large-scale ice wall as an interactive backdrop, associated with how animals stay warm in the winter or cool in the summer. A series of slip-on, see-through mitts insulated with either feathers, bubble wrap or shortening enable children to place their hands onto icy water to see what substance insulates the best. Analogies are made to animal coverings (downy feathers, hollow-shafted hairs, and blubber) and compared to building materials, such as pink fiberglass insulation and polyurethane foam.



Plants: California Friendly

This area is surrounded by large-scale graphics of plants that are also utilized as a maze. Children investigate how indoor and outdoor landscaping can help (1) decrease the amount of direct energy used by cooling an area or (2) decrease the amount of indirect energy being used by reducing water consumption. Children can explore such concepts and designs as biowalls (living plant matter that substitute for walls inside a house), green roofs (live plant cover on roofs), shade plants and drought-resistant plants.

Do You Have Enough Room?

A tabletop, interactive model of a house enables children to learn about open-space floor plans, along with other concepts, including the practical and creative purpose of material selection. Children are introduced to specialized, recycled materials, such as carpeting made from recycled plastic bottles and countertops made from re-purposed buttons. They are also be able to compare the actual Solar Houses with this smaller model to understand why an open-space floor plan is more effective monetarily and environmentally.



Transportation Zone

For the first time, visitors to the Solar Decathlon, can also experience a transportation component, as part of the XPO. The **Transportation Zone** includes the California Challenge, the Toyota Drive Center, Bosch eBike Systems, OCTA gift packs, information about electric vehicles (EV), EV rebate programs and more.

Toyota Prius V



October 5–6

California Challenge

The California Challenge is a time trial competition for energy-efficient race cars, featuring high school and university student-engineered vehicles from across the nation. Held October 5 and 6, this event showcases vehicles powered by the sun, methane, electricity and efficient gas engines. The race track includes a high-speed section, auto-cross section and a staged idle section. The maximum distance traveled in one hour using \$1 worth of energy, wins the challenge.

Saturday, October 5

- **11 a.m. – 12:30 p.m.**

Morning Heats

Energy Invitational, Electathon and FSAE class vehicles

- **2 – 5 p.m.**

Afternoon Heats

Energy Invitational, Electathon and FSAE class vehicles

Sunday, October 6

- **11 a.m. – 1 p.m.**

Final Heats

Energy Invitational, Electathon and FSAE class vehicles

- **2 – 3 p.m.**

Awards Ceremony



Toyota Highlander Hybrid



Toyota Camry Hybrid



Toyota RAV4 EV



Toyota Prius C



October 3–6 & 10–13

Toyota Drive Center

11 a.m. – 7 p.m.

The **Toyota Drive Center** features a variety of fuel-efficient hybrids and zero emission, plug-in electric vehicles from Toyota, including the Rav4 EV, Prius PHV, Prius V, Prius C, Camry Hybrid, Avalon Hybrid, Highlander Hybrid. The 250,000 square-foot course will allow participants to drive the vehicles in a variety of situations, with product experts on hand to ride along with participants and provide information about each Toyota vehicle.

Attendees over 18 years of age may drive a Toyota vehicle by signing a waiver and showing a valid driver's license.

Toyota Avalon Hybrid



Bosch eBike Experience

Visitors to the U.S. Department of Energy Solar Decathlon 2013 and XPO have the unique opportunity to experience the latest in bicycling technology. Bosch, together with leading bike manufacturers BH Bikes, Cannondale, Currie Tech and Felt, will host the first-ever electric bike ride event in California.

Visitors can ride an eBike and experience the thrill! Experts are on site to show adult riders how the power-assisted bikes can help make two-wheel transportation more accessible and make longer trips or heavier cargo a snap. See inside cover map for our location.

OCTA— Gift Packs for Public Transportation Riders!

The **Orange County Transportation Authority (OCTA)**, in partnership with the City of Irvine, is providing a gift pack to the first 100 visitors each event day, who show their **OCTA, Metrolink** or **Amtrak** passes to OCTA representatives in the Transportation Zone. OCTA is also displaying one of its CNG buses and providing visitors with information about bus, rail, vanpool and other transportation options.

Schneider–Chevy Volt and EV Charge

Visitors can check out the **Schneider Electric's** sleek EVlink indoor electric vehicle charging station, which enables homeowners to enjoy faster charging than with a standard (110 Volt) home outlet. EVlink is a simple, easy-to-use interface with one-touch operation, which is safe and durable.

The California Center for Sustainable Energy

The California Center for Sustainable Energy's (CCSE) display includes an electric vehicle, charging station and information about the Clean Vehicle Rebate Project, a statewide zero-emissions vehicle incentive program the CCSE administrates for the California Air Resources Board.

California Fuel Cell Partnership

The California Fuel Cell Partnership booth features the latest hydrogen-powered vehicles, including a Hyundai Tucson and a Mercedes B-Class FCELL. The booth also features a Nissan cutaway in addition to games, prizes and expert staff to help you learn more about hydrogen fueling, fuel cells and zero-emission vehicles.

Palm Court Arts Complex

The **Palm Court Arts Complex** provides visitors to the U.S. Department of Energy Solar Decathlon 2013 and XPO the opportunity to explore solar-inspired art exhibitions in the Great Park Gallery and the Makers Depot exhibit in the Artists Studios.

Solar-Inspired Art Exhibitions in the Great Park Gallery



October 3–6 & 10–13

*OC³: Orange County Curator Challenge—
Sun Soil City*

- 2 p.m.

Gallery Tours with OC³ Artists and Curators

The **Orange County Curator Challenge (OC³)** challenges 14 curators from prestigious Orange County institutions to inspire discussion relating to important topics of energy (sun), agriculture (soil) and community (city) by transforming a designated space in the Great Park Gallery.



Into the Light



OC³



October 3–6

Sun Boxes by Craig Colorusso

- 11 a.m. – 6 p.m.

Sun Boxes around the Park with Craig Colorusso



Craig Colorusso's *Sun Boxes* is a solar-powered sound installation comprised of 20 speakers, each operating independently. Inside each *Sun Box* is a PC board that has a recorded guitar note loaded and programmed to play continuously in a loop, creating a captivating sound environment.



Into the Light, Sun Photography by Alan Friedman

Thursday, October 10

- 2 p.m.

Gallery Tour with Alan Friedman

Friday, October 11

- 2 p.m.

Sun-Gazing Workshop with Alan Friedman

Using special filters attached to his high definition camera, **Alan Friedman** captures breathtaking images and video, detailing movements in the solar atmosphere that change over hours and sometimes minutes.

Makers Depot in the Artists Studios

The **Great Park Artists Studios** are transformed into an engaging **Makers Depot** that showcases how the revolution of 3D design and 3D printing is dramatically changing the way things are being designed and made in a variety of industries, including transportation, medicine and lighting.

The goal of the Makers Depot is to inspire, engage and guide the next generation to design and build new products, become the artists, inventors and makers of tomorrow, with the know-how and skills needed to create an economically and ecologically sustainable future.

Makers Depot is an open-source makers' space focused on 3D design and 3D printing dedicated to improving STEAM (Science, Technology, Engineering, Arts and Math) literacy through design and fabrication educational programs.

The Makers Depot at the XPO will feature products made from "open source designs" in a process referred to as "Rip, Mod and Make" that has enabled makers to download designs (rip), customize the designs (mod) and fabricate new products (make), while learning the creative process.

Following the Solar Decathlon 2013, the Makers Depot will shift its focus to hosting a series of fee-based classes in 3D design and fabrication. The schedule for classes will be announced during the Solar Decathlon 2013 and XPO.

XPO Food Pavilion

The **XPO Food Pavilion**, located next to the **Competitor Pavilion**, is a central gathering place and market with fresh organic produce and healthy and delicious food and refreshments, with seating. Come and enjoy **Hole-N-One Sports Catering** and a wide variety of gourmet food trucks!



October 3–6 & 10–13

Hole-N-One Sports Catering

Hole-N-One Sports Catering has been wowing clients for more than two decades with its catering excellence. **Hole-N-One** provides concession and hospitality catering at sporting, social and special events as well as facility catering and is committed to delivering an exceptional catering experience.

Hole-In-One Lunch & Dinner Menu

- 2 Carnitas Tacos with Cheese, Onion and Cilantro
- 2 Wahoo Fish Tacos with Mango Salsa
- Cheeseburger with Chips
- Garden Burger with Chips
- Bratwurst with Peppers and Onions with Chips

Snacks

- Nachos with Cheese and Jalapeños
- Jumbo Pretzel • Churro

Beverages

- Bottled Water
- Soda
- Fresh Lemonade

Desserts

- Premium Ice Cream Bar
- Frozen Lemonade Cup



October 3–6 & 10–13

Gourmet Food Trucks

Truck	Types of Menu Items
• BaconMania	• Sandwiches • Mac n Cheese • Bacon Desserts
• Barcelona OntheGo	• Paella • Chorizo Grilled Cheese • Shrimp Tacos with Chipotle
• Chomp Chomp	• Sloppy Joes • Chicken Wings • Crab Cakes
• Dogzilla	• Asian Hot Dogs • Fries
• Flavor Rush	• Tilapia Fish Tacos • Pulled Pork Sliders • Chili Fries
• Garlicscapes	• Salads • Garlic Fries • Sliders • Chicken Wraps
• Rolling Sushi	• Sushi (Nigiri, Hand Rolls, Rolls) • Miso Soup • Salads • Frozen Yogurt
• Seabirds	• Tacos • Fries • Kale Salad
• Spudrunners	• Fries • Baked Potatoes • Cheese Sandwiches • Chicken Sandwiches
• The Bakery Truck	• Cream Puffs • Cupcakes • Cookies

Truck**Types of Menu Items**

- **The Viking Truck**
 - Hot Dogs
 - Corn Dogs
 - Sausage
 - Tots
 - Chili

- **TJs Woodfire Pizza**
 - Margherita
 - Pesto
 - Four Cheese

Gourmet Food Truck Schedule

Thursday

Friday

Saturday

Sunday

October

3

Flavor Rush
Garlicscapes
Rolling Sushi
The Viking Truck
Tropical Shave Ice
We Heart Froyo

October

4

Chomp Chomp
Garlicscapes
Rolling Sushi
We Heart Froyo

October

5

Barcelona
OntheGo
Chomp Chomp
Dogzilla
Flavor Rush
Garlicscapes
Spudrunners
The Bakery Truck
We Heart Froyo

October

6

BaconMania
Dogzilla
Flavor Rush
Garlicscapes
Rolling Sushi
The Bakery Truck
The Viking Truck
We Heart Froyo

Gourmet Food Truck Schedules are Subject to Change

Truck**Types of Menu Items**

- **Tropical Shave Ice** • Various Flavors of Shave Ice

- **We Heart Froyo** • Cookies and Cream • Cable Car Chocolate
 • Chocolate Caramel Turtle • Salted Caramel Corn
 • New York Cheesecake • Red Velvet Cake

Gourmet Food Truck Schedule

Thursday

Friday

Saturday

Sunday

October
10

Rolling Sushi
The Viking Truck
Tropical Shave Ice
We Heart Froyo

October
11

BaconMania
Barcelona
OntheGo
Chomp Chomp
Spudrunners
The Viking Truck
TJs Woodfire Pizza
We Heart Froyo

October
12

BaconMania
Barcelona
OntheGo
Dogzilla
Garlicscapes
Seabirds
Spudrunners
The Bakery Truck
The Viking Truck
We Heart Froyo

October
13

Barcelona
OntheGo
Dogzilla
Garlicscapes
Rolling Sushi
Spudrunners
The Bakery Truck
We Heart Froyo

Gourmet Food Truck Schedules are Subject to Change





Team Austria: Vienna University of Technology

Competitors Pavilion

The **Competitors Pavilion** is a showcase of the colleges and universities competing in the U.S. Department of Energy Solar Decathlon 2013. Visitors will have the opportunity to learn more about the technology and innovation used in the student teams' homes. This Pavilion also features the American Institute of Architects Orange County Student Design Committee Awards and the Solar Decathlon Alumni Association.



*Team Capitol DC:
The Catholic University of America,
George Washington University,
and American University*



*The University of North Carolina
at Charlotte*



West Virginia University



Stanford University



Stevens Institute of Technology



Santa Clara University



Kentucky/Indiana: University of Louisville, Ball State University and University of Kentucky



Arizona State University and The University of New Mexico



Team Texas: The University of Texas at El Paso and El Paso Community College



Missouri University of Science and Technology



*Team Alberta:
University of Calgary*



*Southern California
Institute of Architecture and
California Institute of Technology*



Middlebury College



Norwich University



University of Southern California



University of Nevada Las Vegas



Czech Republic: Czech Technical University



Team Ontario: Queen's University, Carleton University, and Algonquin College



Farm + Food Lab

The **Farm + Food Lab** features fun, educational exhibits and workshops for adults and children that focus on maintaining healthy gardens and the benefits of growing nutritious, delicious food at home.

Farm + Food Lab Tent Talks



Saturday, October 5

- **12 p.m., 1 p.m. and 2 p.m.**

Kids **Bee Aware**

This workshop covers bees and other pollinators, their life cycles, habitat and role they play in our food production.

Activity: *Beeswax Candles*

- **1 – 2 p.m.**

Nature's Recyclers: Worms

Turn your kitchen veggie scraps into food for your garden. Using a small plastic bin stored easily in a garage or shady corner of the yard, red wiggler worms will quickly turn vegetable scraps into worm castings, a great fertilizer for plants. Kids especially love this process!

Saturday, October 5 (Continued)

- **2 – 3 p.m.**

A Sustainable Garden without Soil:

Straw Bale Gardening

No yard? Poor soil? Hate to dig? No worries! With two or more straw bales you can create your own veggie garden without digging, even on a patio!

- **3 – 4 p.m.**

Sustainable Landscaping:

California Natives

Our own California native plants know how to survive and thrive in our soil and low rain conditions. Learn how to use these beautiful plants in your home landscape. Yes, you can have year round color with natives, and added bonus: no lawn to mow!

- **3 p.m., 4 p.m. and 5 p.m.**

Kids Flower Power

This workshop covers the basics of what plants need, parts of the plant, uses of plants and the important role flowers play.

Activity: Seed Bombs



Sunday, October 6

- **12 p.m., 1 p.m. and 2 p.m.**

Kids A Bountiful Harvest

This workshop introduces kids to the rich history of agriculture in Orange County.

Activity: *Agro-Monsters made out of Local Crops*

- **1 – 2 p.m.**

Backyard Habitat

Simple changes and additions to your yard that will turn it into a friendly habitat for birds, butterflies, lizards and maybe even a deer!

- **2 – 3 p.m.**

Wine Barrels, Wooden Pallets, and Other Cast Offs

Create prolific and easy to maintain gardens in wine barrels, wooden pallets, even old bathtubs and toilets!

- **3 – 4 p.m.**

Sun and Seeds

Put sun and seeds together with a little soil and water, and like magic, new plants! Learn the simple steps of growing plants from seed.

Sunday, October 6 (Continued)

- **3 p.m., 4 p.m. and 5 p.m.**

Kids Good Bugs, Bad Bugs

This workshop covers common garden pests and beneficial insects, and introduces kids to the concept of integrated pest management.

Activity: *Watercolor Butterflies*



Saturday, October 12

- **12 p.m., 1 p.m. and 2 p.m.**

Kids The Web of Life

This workshop covers the interdependencies of plants, animals, insects, fire, clean water and clean soil, with an emphasis on environmental conservation and stewardship.

Activity: *Web of Life Mobile*

- **1 – 2 p.m.**

Carbon Footprint:

Growing Your Own Veggies

Rather than out-of-season veggies from a distance, save transportation costs by growing right in your own back yard. Learn how to start plants from seed or transplants, what to plant when and how to care for them.

Saturday, October 12 (Continued)

- **2 – 3 p.m.**

Backyard Energy: From Waste to Soil

Turn your kitchen scraps and yard waste into black gold! Learn the basics of composting—how the combination of water, air, browns and greens can be transformed into a successful foundation for your garden.

- **3 – 4 p.m.**

Water Wisdom: Control Your Controller

Maximize your water use while reducing environmental impact. Learn about irrigation controllers and why a simple periodic adjustment can save energy and money.

- **3 p.m., 4 p.m. and 5 p.m.**

Kids Stone Soup

This workshop covers the power of sharing and demonstrates what can happen when communities participate in growing their own food.

Activity: Stone Soup Seed Packets

Sunday, October 13

- **12 p.m., 1 p.m. and 2 p.m.**

Kids Flower Power

This workshop covers the basics of what plants need, parts of the plant, uses of plants and the important role that flowers play.

Activity: Seed Bombs

- **1 – 2 p.m.**

Anywhere Anytime Energy: Growing in Pots

No matter how little space is available, you can learn to create your own garden in containers.

- **2 – 3 p.m.**

Solar Powered Food: Backyard Orchard

Pick fruit from your own back yard that has been kissed by the sun! Identify varieties that grow best in our climate.

- **3 – 4 p.m.**

Soil Science: Building a Good Foundation

Give your garden a jump start with rich soil. Find out about the composition of the soil in your yard and how to enrich it so your plants can thrive. Happy soil = happy plants.



Sunday, October 13 (Continued)

- 3 p.m., 4 p.m. and 5 p.m.

Kids Good Bugs, Bad Bugs

This workshop covers common garden pests and beneficial insects, and introduces kids to the concept of integrated pest management.

Activity: Watercolor Butterflies

Kids Workshops are open to children of all ages (max 50 children per session) and are put on by the **University of California Cooperative Extension Master Gardeners** with assistance from the City of Irvine's **Youth Action Team**.

About the Farm + Food Lab

The **Farm + Food Lab** is a two-acre demonstration garden created to educate and inspire visitors of all ages on how they can grow organic, fresh produce in their own backyard. Open seven days a week and staffed by University of California Cooperative Extension Master Gardeners of Orange County. Visit **ocgp.org** for more information.



ABC Green Home



The **ABC Green Home** is a certified net-zero energy house at the Orange County Great Park and is available for self-guided tours.

Built through a partnership between **Southern California Edison** and **Green Home Builder** magazine, the ABC Green Home generates as much energy from solar panels as it consumes.

This 1,700 square foot Craftsman style home is designed to be affordable and buildable by any builder, on any lot, with construction materials available at any local builder supply store. Visitors can experience and learn about the latest in energy efficiency provided by a host of innovative and creative vendors and suppliers.

About Southern California Edison

An Edison International company, Southern California Edison is one of the nation's largest electric utilities, serving a population of nearly 14 million via 4.9 million customer accounts within Central, Coastal and Southern California. Edison International is also a Sustaining Sponsor of the Department of Energy Solar Decathlon 2013.

About Green Home Builder Magazine

Since 2006, *Green Home Builder* has published quarterly magazines in print and online by Newport Beach, California-based **Peninsula Publishing Inc.**, publishers of business management magazines for homebuilding professionals since 1990.

Speaker Schedules

Foundation for the Great Park Powerful Ideas Symposium

The **Powerful Ideas Symposium** runs each of the eight public event days from October 3-6 and 10-13. Specific dates and times are listed below. Topics include energy efficiency, renewable energy, green building, transportation, green careers, consumer education, and food and agriculture. Most presentations and panels allow for a 15 minute Q&A session.



The Powerful Ideas Symposium is adjacent to the **SunShot Innovation Pavilion**. Please refer to the site map.

Important Reminder: Please leave yourself plenty of time for parking and to walk through the event site to the **Powerful Ideas Symposium**. It is recommended that you arrive 30 minutes prior to the start of the panel you would like to attend.

Speaking Schedule are Subject to Change



Thursday, October 3

- **12 – 12:45 p.m.**

Reinventing Energy Efficiency

Presented by Bosch

This presentation focuses on energy efficient building design and highlights industry trends, best design and building practices, codes and standards, financing and case studies.

- **1 – 1:45 p.m.**

Improving Our Communities One Street at a Time

Presented by American Society of Landscape Architects

This presentation reviews how landscape architects are introducing ecologically safe design elements that address storm water runoff problems to improve water quality.

- **2 – 2:45 p.m.**

SoCalGas Advanced Meters

Presented by SoCalGas

This presentation provides consumers with information about SoCalGas Advanced Meters, their advantages and how they can help residents save energy and money. Attendees will learn about advanced meter technology, including how to view up-to-date hourly and daily usage information and estimated costs, set and achieve savings and conservation goals, and analyze usage over time.

Thursday, October 3 (Continued)

- **3 – 3:45 p.m.**

Connected Technology and Energy Efficiency

Presented by Ingersoll Rand

This presentation discusses how cloud based technology and connectivity can provide real time energy consumption in a consumer friendly manner to help homeowners and businesses manage energy use via mobile apps, tablet apps and PC interfaces.

- **4 – 4:45 p.m.**

Proactive Surveillance Solutions

Presented by Leverage Information Systems

This presentation focuses on a comprehensive approach to video surveillance, including energy efficient features that enable the lights to be kept off until an incident occurs.

- **5 – 5:45 p.m.**

**What is the SunShot Initiative
and What are its Goals?**

Presented by U.S. Department of Energy

SunShot Initiative

This presentation describes the objectives of the U.S. Department of Energy SunShot Initiative, which is a national effort to decrease the cost of solar by 75 percent by the end of the decade.



Friday, October 4

Municipal Day

The City of Irvine, working through several municipal and governmental agencies, invites municipalities and counties throughout California to attend this special day, which features programming geared toward energy-efficient technology and how municipalities and counties can access this technology.

This day is also open to the public and is an excellent opportunity for residents to learn about energy-efficient best practices and initiatives of local governments.

Important Reminder: Please arrive by 10:30 a.m. to ensure you have plenty of time to get to the first speaking panel, which begins at 11 a.m. in the **Powerful Ideas Symposium**.

Location 1 – Powerful Ideas Symposium

- **11 – 11:45 a.m.**

Energy Efficiency Best Practices

Presented by the City of Irvine

This panel includes representatives from various municipalities, who will discuss best practices and initiatives related to energy-efficient municipal portfolios, lighting, heating, ventilation and cooling systems; utility programs and energy demand response. The discussion also addresses return on investment and long-term savings.

Friday, October 4 (Continued)

- **12 – 12:45 p.m.**

Funding for Energy Efficient Projects

Presented by the City of Irvine

This presentation reviews funding mechanisms, rebates and incentives for municipal and county energy-efficiency projects. This includes a discussion on utility rebates and incentives, utility on bill financing, private financing and examples of municipal projects that resulted from financing.

- **1 – 1:45 p.m.**

Energy Efficient Assessment, Audits and Tracking

Presented by the City of Irvine

This presentation addresses the basic principles of energy-efficiency assessments, audits and tracking and includes a discussion on best practices and benefits. Examples of municipal energy-efficiency assessments, audits and tracking will be provided.

- **2 – 2:45 p.m.**

Working Together to Bring Energy Efficiency to Low-Income Communities

Presented by the California Department of Community Services and Development

Panel discussion: Low-income communities are often the last to benefit from clean energy. California is working to address this inequity through collaboration and leveraging, designing programs that bring renewable energy to underserved communities.

Friday, October 4 (Continued)

- **3 – 3:45 p.m.**

The Home of the Future:

DOE Challenge Home

***Presented by U.S. Department of Energy
Building Technologies Office***

Housing Innovation winners discuss their respective DOE Challenge Homes, which represent the rigorous requirements for energy savings, comfort, health and durability.

- **4 – 4:45 p.m.**

How Smart Cities Can Solve the Energy Dilemma

Presented by Schneider Electric

This presentation focuses on how the world's cities can become sustainable for large populations through clean and renewable energy.

Location 2 – Hangar 244

- **12 – 12:45 p.m.**

Overview of CAL Green Code

Presented by Build It Green

This presentation reviews the new 2013 California Green Building code, which will take effect January 1, 2014.

Friday, October 4 (Continued)

- **1 – 1:45 p.m.**

Green Fleet Operations for Municipalities

Presented by the City of Irvine

This discussion reviews what a green fleet is and various types of alternative fuel vehicles, including CNG, biofuel and electric. Examples and best practices of green fleets will be provided, including recycled used oil, inflating tires, decentralizing maintenance, diversified fuel types and more.

- **2 – 2:45 p.m.**

Renewable Energy for Cities and Counties

Presented by the City of Irvine

This presentation provides an overview of renewable energy installations at municipal and county locations. Examples of solar installations for roofs and car ports will be provided, in addition to tracking systems. Benefits, costs, lessons learned and financing mechanisms are also reviewed.

- **3 – 3:45 p.m.**

Solar Policies on the Local and Statewide Levels

Presented by Cal SEIA

This panel discusses state and local solar policies and identifies potential areas for solar market growth.





Saturday, October 5

- **12 – 12:45 p.m.**

Kids ROBOTIS KidsLab

Presented by the Irvine Public Schools Foundation

This exciting and interactive presentation, geared toward children of all ages, teaches kids about science and math through a fun, educational robot kit named OLLO. Students learn about STEM (science, technology, engineering and mathematics) through building and the engaging curriculum.

- **1 – 1:45 p.m.**

Green Idea House

See how the Solar Decathlon inspired the Green Idea House, one family's project to affordably retrofit their house into a net zero energy, zero carbon case study. The building surpassed all net zero energy, zero carbon goals and won the *2012 Green Leadership Award* for Los Angeles County and *Build It Green's Builder of the Year Award*.

Saturday, October 5 (Continued)

- 2 – 2:45 p.m.

**Solar Soft Costs Innovation:
A Challenge and Opportunity**

***Presented by U.S. Department of Energy
SunShot Initiative***

In this discussion, representatives from the U.S. Department of Energy and other key stakeholders talk about solar soft cost challenges, opportunities and efforts to enable a new energy economy powered by sustainable and affordable clean energy.

- 3 – 3:45 p.m.

Kids Mad Science: Up, Up and Away!

Presented by the Irvine Public Schools Foundation

This spellbinding special event introduces children to the principles of air pressure and solar energy. Hot air balloons, vortex generators and even a hovercraft help children understand the power of our atmosphere. Children will be excited to make bracelets that can determine if there are UV rays present.

Saturday, October 5 (Continued)

- **4 – 4:45 p.m.**

Retrospective on Sustainable Architecture
Presented by American Institute of Architects

This presentation examines the roots of the sustainability movement, and reviews a university research center case study. Included is a discussion of its impact on education, influence on community engagement, its relevancy today and into the future, and its long-term operational challenges.

- **5 – 5:45 p.m.**

Residential Energy Feedback:
Research, Technology and Potential
for the Smart Home
Presented by University of California, Irvine

This panel focuses on feedback about energy use to the consumer that is distributed digitally, wirelessly and in real time and highlights this cost effective way to reduce household energy use.



Sunday, October 6

Home and Business Consumer Day

This themed day has a particular focus on connecting the home and business consumer with energy-efficient technology and exhibitors. The goal is to help consumers take the next step to purchasing and utilizing energy-efficient technologies in their homes and businesses. Programming includes workshops, speaking panels and interactions with exhibitors.

- **12 – 12:45 p.m.**

How to Make Your Home Green

Presented by Build It Green

This session educates homeowners on improvement projects that will increase their home's energy efficiency and connect them with information on financing for such projects.

- **1 – 1:45 p.m.**

Smart Home...Smart Savings

Presented by Schneider Electric

This presentation discusses the latest in home energy management, including technologies to save money and the environment. The presentation includes live demonstrations.



Sunday, October 6 (Continued)

- **2 – 2:45 p.m.**

SCE Homeowners Class:

California Solar Initiative Rebate Program

Presented by Southern California Edison

You're invited to attend SCE's Homeowner Solar Class. Are you considering a solar electricity generating system for your home? Come learn about the California Solar Initiative rebate program, basics of solar, how to find a contractor, financing options and much more at this presentation and Q&A session.

- **3 – 4:45 p.m.**

SoCalGas Workshop: Solar Water Heating Incentives and Rebates

Presented by SoCalGas

This workshop informs customers about solar water heating technology and systems, the benefits of heating your water with the warmth of the sun and the availability of rebates offered through the California Solar Initiative—Thermal Program.

- **5 – 5:45 p.m.**

Financing Energy-Efficient Retrofits

Presented by Build It Green

This presentation discusses the various programs available to homeowners to finance energy-efficient upgrades at little to no cost.

Thursday, October 10

- **12 – 12:45 p.m.**

U.S. Green Building Council and the LEED Rating System
Presented by U.S. Green Building Council

This presentation defines the LEED rating system and principles.

- **1 – 1:45 p.m.**

Smart Buildings, Smart People
Presented by Bank of America

This panel discussion focuses on the post-occupancy phase of a building life-cycle, and how both technology and “people power” can pick up where design leaves off, and contribute to improving and maintaining sustainable operations in a building. Bringing together experts in property management, energy engineering and sustainable operations, the panel discusses best practices to drive sustained, and sustainable, results in occupied buildings.



Thursday, October 10 (Continued)

- **2 – 3:30 p.m.**

Production Homebuilding: Navigating Energy Codes and Buyer Demand on the Path to Zero Net Energy

***Presented by the Building Industry Association
Orange County***

This panel discussion, featuring top executives from KB Home, Brookfield Residential, and Meritage Homes, explores National Homebuilder strategies for meeting or exceeding California's trendsetting energy codes amidst a market of uncertain consumer demand and rising construction costs. The focus is on market-tested technologies and buyer responses to energy efficiency standards and upgrades.

- **3:45 – 4:30 p.m.**

Energy-Efficient Technology in OC

Presented by CleanTech OC

This panel highlights local energy-efficient technologies in Orange County for home and business consumers.

Thursday, October 10 (Continued)

- **4:45 – 5:30 p.m.**

Clean Baseload Power Generation to Complement Renewable Sources

Presented by University of California, Irvine

This presentation discusses how renewable sources of power generation such as wind and solar are intermittent and need to be complemented with other sources of clean baseload energy.



Friday, October 11

Green Careers Day

Green Careers Day: Businesses and educational institutions are on hand to provide information about educational opportunities in the green jobs field.

- **12 – 12:45 p.m.**

Opportunities in the Field of Sustainable Design and Construction

Presented by U.S. Green Building Council

The Orange County Chapter of the U.S. Green Building Council has formed a panel of architects, engineers and energy managers to discuss the current trends in sustainable design and construction. This panel discusses career opportunities in these fields, including new construction and the built environment.

Friday, October 11 (Continued)

- **1 – 1:45 p.m.**

**Meet Clean Tech Companies Hiring
in Orange County**

Presented by CleanTech OC

Come meet the companies that are driving clean tech job and economic growth in Orange County.

- **2 – 2:45 p.m.**

Educational Opportunities for Green Careers

***Presented by University California, Irvine,
California State University, Fullerton
and Chapman University***

This panel reviews the many educational programs that feed into green careers.

- **3 – 3:45 p.m.**

Energy Research—Hot Air or the Right Stuff?

Presented by Bosch

This presentation discusses the research and development of new technologies, which have the potential to address CO₂ emissions. Topics include hydrocarbon fuels, energy machines that operate by moving atoms and electrons, thermoelectric materials and advanced battery solutions.



Saturday, October 12

- **12 – 12:45 p.m.**

Kids Mad Science: Up, Up and Away!

Presented by the Irvine Public Schools Foundation

This spellbinding special event introduces children to the principles of air pressure and solar energy. Hot air balloons, vortex generators and even a hovercraft help children understand the power of our atmosphere. Children will be excited to make bracelets that can determine if there are UV rays present.

- **1 – 1:45 p.m.**

Solar for Homeowners

Presented by the California Center for Sustainable Energy

This session explains the fundamentals of solar electricity, how to apply for available incentives and valuable consumer tips for evaluating solar for your home.

- **2 – 2:45 p.m.**

Retrospective on Sustainable Architecture

Presented by American Institute of Architects

Orange County architects discuss the importance of sustainability in the built environment. This session highlights projects within the local community that exemplify energy efficiency through creative and unique design applications. The outcome of this program will be a better understanding of how Orange County architects and their designs are changing the way we live, work and play. Attendee participation is encouraged.

Saturday, October 12 (Continued)

- **3 – 3:45 p.m.**

Kids **Green Learning Adventure**

Presented by the California Center for Sustainable Energy

This fun, hands-on and interactive presentation will teach students of all ages how to save energy and reduce their carbon footprint.

- **4 – 4:45 p.m.**

System Integration—the Challenges and Benefits of Solar on Your Roof

***Presented by the U.S. Department of Energy
SunShot Initiative***

This panel of utility experts discuss the various steps taken in their respective service territories to enable easier processes for interconnection of solar PV plants and for facilitating their smooth integration into the power grid. Also highlighted are current and future challenges anticipated in sustainable integration of distributed solar PV generation.

- **5 – 5:45 p.m.**

Sustainability in Architectural Design

Presented by Autodesk

This discussion focuses on the use of simulation tools to model a project before it is completed to help improve performance, reduce energy and facilitate high-quality design documentation.



Sunday, October 13

- **12 – 12:45 p.m.**

Sustainable Urban Futures

***Presented by American Society
of Landscape Architects***

Growing economic and environmental pressures suggest that our cities should adapt toward greater efficiency and sustainability. Irvine communities have incorporated greenbelts, trails and lakes to promote walkability, address drainage and increase livability. International examples push these ideas further, integrating water systems, natural habitat and transportation as city framework. Re-imagining how our cities can combine natural systems with places to work, live and play is key to their sustainability.

- **1 – 1:45 p.m.**

K-12 Energy Efficient Education Trends

***Presented by Build It Green
and Davis Magnet School***

As communities face the need for new, expanded or renovated educational facilities, decision makers are faced with the challenge of knowing how best to spend their school's limited resources. This presentation reviews successful energy efficient and healthy strategies being implemented in K-12 schools across the country.

Sunday, October 13 (Continued)

- **2 – 2:45 p.m.**

SCE Homeowners Class:

California Solar Initiative Rebate Program

Presented by Southern California Edison

You're invited to attend SCE's Homeowner Solar Class. Are you considering a solar electricity generating system for your home? Come learn about the California Solar Initiative rebate program, basics of solar, how to find a contractor, financing options and much more at this presentation and Q&A session.

- **3 – 3:45 p.m.**

Solving Climate Change

Presented by University of California, Irvine

This presentation focuses on the different options we have for tackling climate change, with an emphasis on the need to generate carbon-emissions-free energy such as solar photovoltaics.

Speaking Schedule are Subject to Change

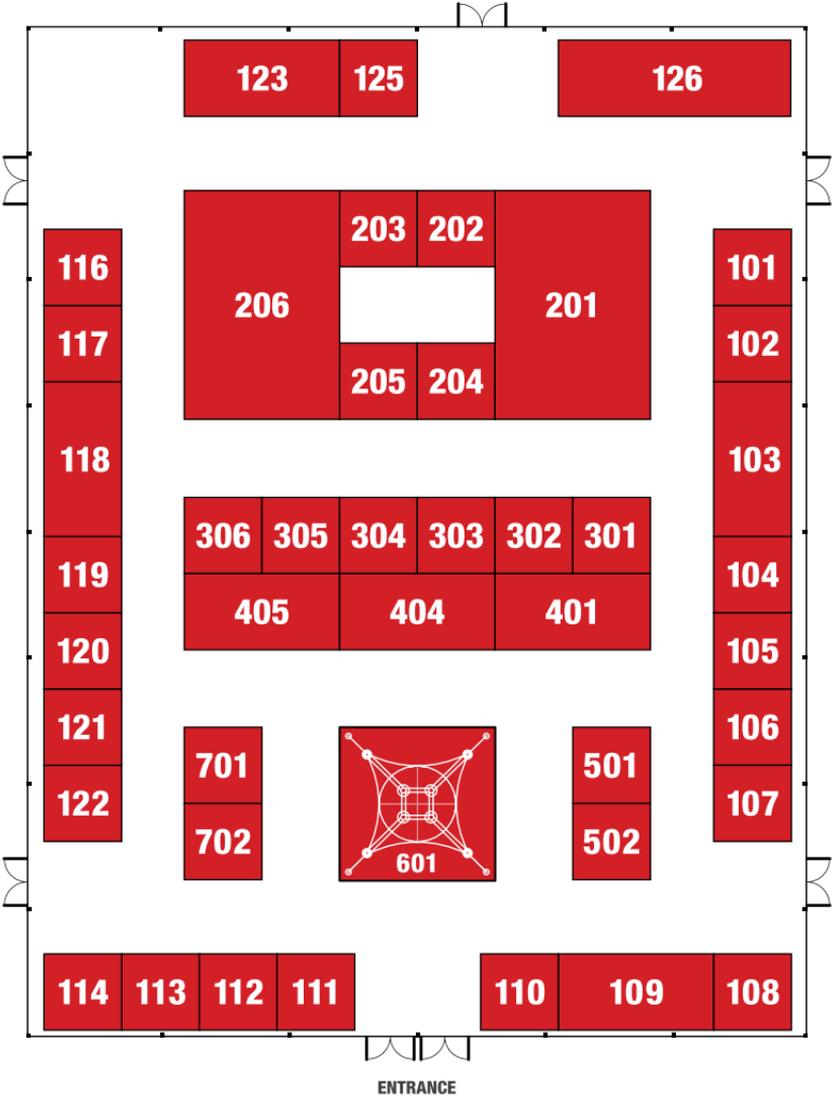
Exhibitors



SunShot Innovation Pavilion

Week 1 Exhibitors (October 3–6)

- | | |
|--|--|
| 701 American Institute of Architects—OC | 117 Mitsubishi Electric Cooling & Heating |
| 106 American Society of Landscape Architects | 304 NAIOP |
| 126 Bosch | 305 National Association of Home Builders |
| 121 Build It Green | 302 Orange County Register |
| 301 Building Industry Association Orange County | 119 Pella |
| 122 Cal SEIA | 116 PHATport |
| 101 City of Irvine | 112 Plug In America |
| 108 CleanTech OC | 114 Rachus Institute—Solar Schoolhouse |
| 110 Dow Solar | 123 Schneider Electric |
| 120 Electrolux | 303 SoCalGas |
| 502 Energy Upgrade California | 206 Southern California Edison |
| 103 Felt Bicycles | 109 SunShot Awardee Presentations |
| 401 FivePoint Communities | 601 SunShot Exhibit |
| 107 Grid Alternatives | 111 SunSolar U.S. |
| 105 Housing Innovation Awards | 501 The Energy Coalition |
| 113 ICMA Center for Sustainable Communities | 118 Tierra Verde Industries |
| 203 Ingersoll Rand | 404 University of California, Irvine |
| 405 Irvine Company | 702 Urban Land Institute |
| 306 Irvine Ranch Water District | 125 URS Corporation |
| 205 Jacobs | 202 Verizon |
| 104 Kaiser Permanente | 201 Vital Link of OC |
| 102 League of California Cities | 204 Ygrene |

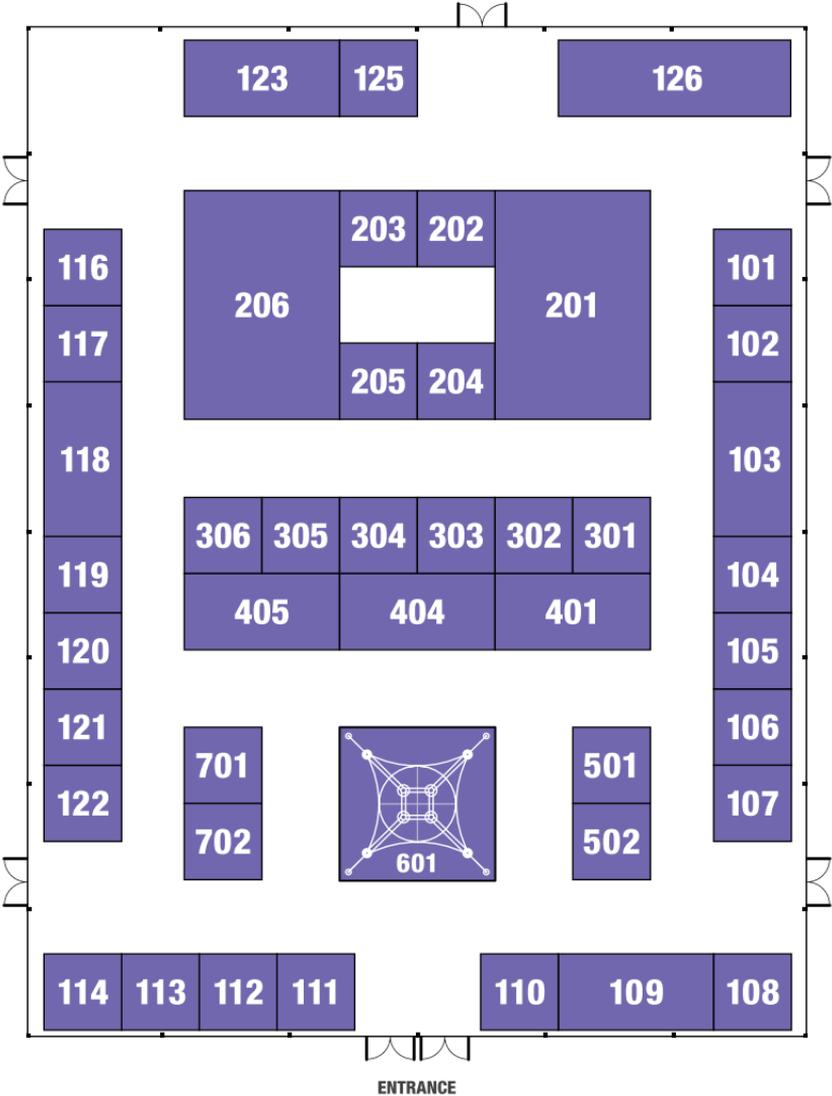




SunShot Innovation Pavilion

Week 2 Exhibitors (October 10–13)

- 701** American Institute of Architects
- 106** American Society of Landscape Architects
- 501** ASES/OC Renewables
- 304** Bank of America
- 126** Bosch
- 121** Build It Green
- 301** Building Industry Association Orange County
- 205** Community Action Partnership OC
- 101** City of Irvine
- 110** Dow Solar
- 120** Electrolux
- 502** Energy Upgrade California
- 103** Felt Bicycles
- 401** FivePoint Communities
- 107** Grid Alternatives
- 105** Housing Innovation Awards
- 122** Infinity Solar
- 203** Ingersoll Rand
- 405** Irvine Company
- 306** Irvine Ranch Water District
- 104** Kaiser Permanente
- 102** League of California Cities
- 113** Max Tech Competition
- 117** Mitsubishi Electric Cooling & Heating
- 305** National Association of Home Builders
- 108** NREL
- 302** Orange County Register
- 119** Pella
- 116** PHATport
- 112** Plug In America
- 114** Rahun Institute—Solar Schoolhouse
- 123** Schneider Electric
- 303** SoCalGas
- 206** Southern California Edison
- 109** SunShot Awardee Presentations
- 601** SunShot Exhibit
- 111** SunSolar U.S.
- 118** Tierra Verde Industries
- 404** University of California, Irvine
- 702** Urban Land Institute
- 125** URS Corporation
- 202** Verizon
- 201** Vital Link of OC
- 204** Ygrene





American Institute of Architects Orange County

American Institute of Architects (AIA) Orange County is a nonprofit organization dedicated to excellence in the built environment. AIA architects adhere to yearly education requirements, dedicate time to mentor students and provide community service activities.



American Society of Landscape Architects

The purpose of the American Society of Landscape Architects (ASLA) Southern California Chapter shall be the advancement of knowledge, education and skill in the art and science of landscape architecture as an instrument of service in the public welfare. To this end, the Chapter shall promote the profession of landscape architecture and advance the practice through advocacy, education, communication and fellowship.



American Solar Energy Society, Orange County Chapter OC Renewables

Established in 1954, the nonprofit American Solar Energy Society (ASES) is the nation's leading association of solar professionals and advocates. Our mission is to inspire an era of energy innovation and speed the transition to a sustainable energy economy. We advance education, research and policy. OC Renewables is the Orange County Chapter of ASES.



Bosch

The Bosch Group manufactures and markets automotive original equipment and aftermarket solutions, industrial drives and control technology, power tools, security and communication systems, packaging technology, thermotechnology, household appliances, solar energy, healthcare telemedicine and software solutions. Bosch employs approximately 24,600 associates in more than 100 locations in North America.



Build It Green

Build It Green is a membership-supported Bay Area nonprofit established in 2005. Our organization works with building and real estate professionals, local and state governments, and homeowners to increase awareness and adoption of green building practices. Our mission is to promote healthy, energy- and resource-efficient building practices in California through outreach and education.



Building Industry Association Orange County

The Building Industry Association of Southern California, Orange County Chapter (BIA/OC) is a nonprofit trade association of more than 1,000 companies employing more than 100,000 people affiliated with the home building industry. Our mission is to champion housing as the foundation of vibrant and sustainable communities.



California Center for Sustainable Energy

The California Center for Sustainable Energy is a non-governmental, nonprofit organization known for its stewardship of sustainable energy investments in California and increasingly nationwide. Our mission is to accelerate the adoption of clean and renewable energy technologies and our goal is to enable California to achieve its ambitious climate agenda.



California Fuel Cell Partnership

The California Fuel Cell Partnership is a collaboration of organizations, including auto manufacturers, energy providers, government agencies and fuel cell technology companies that work together to promote the commercialization of hydrogen fuel cell vehicles. By working together, we help ensure that vehicles, stations, regulations and people are in step with each other as the technology comes to market.



California Solar Energy Industries Association

The California Solar Energy Industries Association (CALSEIA), is the nation's oldest and largest solar industry association representing manufacturers, installers and distributors of solar panels and related components and technologies throughout the state. CALSEIA's mission is to expand the use of all solar technologies in California and establish a sustainable industry for a clean energy future.



Care Ambulance

This year marks 44 years that Care Ambulance Service has provided emergency and non-emergency ambulance service to the citizens of Orange and Los Angeles Counties. Today Care Ambulance is the largest provider of quality ambulance service in Orange and Los Angeles Counties with 165 ambulances responding to more than 200,000 requests for service annually. This success is attributed to the founding principle that quality service is the foundation of a successful business.



City of Irvine

Irvine has become a nationally recognized city and is recognized as one of America's safest and most successful master-planned urban communities. Top-rated educational institutions, an enterprising business atmosphere, sound environmental stewardship and respect for diversity all contribute to Irvine's enviable quality of life. This family-friendly city features more than 16,000 acres of parks, sports fields and dedicated open space and is the home of the Orange County Great Park.



CleanTech OC

CleanTech OC is a nonprofit trade association that promotes the CleanTech industry in Orange County, including renewable energy, clean transportation, energy efficiency and other resource conservation, green building, green consumer products and corporate sustainability. CleanTech OC seeks to spur job creation and economic growth in the CleanTech industry in Orange County and throughout California by facilitating cooperation between the public and private sectors and academia and educating stakeholders and the public on CleanTech-related matters.



Community Action Partnership of Orange County

Community Action Partnership of Orange County changes peoples lives, embodies the spirit of hope, improves communities and makes America a better place to live. The agency cares about the entire community and is dedicated to helping people help themselves and each other.



Dow Solar

The DOW POWERHOUSE™ Solar Shingle is a solar roofing product developed to combine the benefits of solar technology with the durability and performance of traditional roofing materials. POWERHOUSE was developed to introduce solar technology to a new generation of homeowners by providing an unprecedented integrated roof appearance and simplified installation.



Electrolux

Electrolux is a global leader in household and professional appliances, selling more than 50 million products to customers in more than 150 markets every year. The company focuses on innovative solutions that are thoughtfully designed, based on extensive consumer insight, to meet the real needs of consumers and professionals. Electrolux products include refrigerators, dishwashers, washing machines, cookers, air-conditioners and small appliances such as vacuum cleaners sold under esteemed brands like Electrolux, AEG, Eureka and Frigidaire.



Empower America Coalition

Empower America Coalition is dedicated to the mission of recruiting, training and employing returning service veterans into renewable energy careers. We have built a replicable model to stand up the nation's first veteran renewable energy workforce certified and capable of executing anywhere in America. Empower America is unique in that it works with local government and businesses to originate or assist in developing energy efficiency and or solar energy projects/jobs.



Energy Upgrade California™

Energy Upgrade California™ is a state initiative to help Californians take action to save energy and conserve natural resources, help reduce demand on the electricity grid and make informed energy management choices at home and at work. It is supported by an alliance of the California Public Utilities Commission, the California Energy Commission, utilities, local governments, businesses and nonprofits to help communities meet state and local energy and climate action goals.



Felt Bicycles

Felt Bicycles is a leading designer, manufacturer and distributor of its own proprietary line of premium quality bicycles, framesets, components and accessories. The company's U.S. office is in Irvine, California and its European office is in Edewecht, Germany. Felt Bicycles is an internationally recognized brand with bicycles and products sold in more than 30 countries worldwide. Athletes on Felt products have won numerous events including Grand Tour stage wins, World Championships, Olympic Games, ESPN X-Games and other major national and international competitions.



Foundation for the Great Park

At the Foundation, we believe that the Great Park vision evolves from the promise that healthy communities and happy families will thrive—with a Great Park growing in their midst. The Foundation's mission is to generate and sustain public and private support for the development and operation of the Great Park.



Great Park Neighborhoods

Great Park Neighborhoods is Irvine's newest master-planned community. Pavilion Park, the first of the neighborhoods, opened in late September and has been designed and built to include a unique combination of sustainable building techniques, architectural diversity and features a large central park shaded by heritage trees serves as the centerpiece of this new community. Visit us in the Sun-Shot Innovation Pavillion to learn more about Pavilion Park.



Grid Alternatives

GRID Alternatives is a nonprofit organization that brings the benefits of solar technology to low-income communities. GRID Alternatives leads teams of volunteers and job trainees to install solar power on qualifying homes, providing savings for struggling families, while preparing workers for jobs in the fast-growing solar industry and cleaning our air.



ICMA Center for Sustainable Communities

ICMA's Center for Sustainable Communities provides knowledge resources and technical assistance on leading practices at the intersection of sustainability and local government management.



Infinity Solar, Inc.

Infinity is your one stop pv solar integration company for design, engineering, installation and financing. Since 1999, Infinity has been serving southern California, providing excellence in electric and pv solar services to our residential and commercial customers. Our teams are dedicated and professional, using only the best materials, while delivering the highest standard finished product.



Ingersoll Rand

Ingersoll Rand advances the quality of life by creating and sustaining safe, comfortable and efficient environments. Our people and our family of brands—including Club Car,[®] Ingersoll Rand,[®] Schlage,[®] Thermo King[®] and Trane[®]—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; secure homes and commercial properties; and increase industrial productivity and efficiency.



Irvine Company

Founded in 1864, the Irvine Company is an internationally renowned real estate development company known for its award-winning master-planned communities, its vast portfolio of high-quality investment properties and its leadership in conservation and natural resource management. The growing real estate portfolio encompasses office, apartment, retail and resort holdings located throughout California's premier markets.



Irvine Public Schools Foundation

Irvine Public Schools Foundation (IPSF) is a nonprofit organization whose mission is to enrich the educational experience of each child in every school. IPSF achieves this by providing programs, raising funds and uniting the community in support of educational excellence.



Irvine Ranch Water District

Established in 1961 as a California Water District under the provisions of the state of California Water Code, the Irvine Ranch Water District (IRWD) is an independent special district serving Central Orange County, California. IRWD provides high-quality drinking water, reliable wastewater collection and treatment, ground-breaking recycled water programs and environmentally sound urban runoff treatment to more than 330,000 residents.



Jacobs

Jacobs is one of the world's largest providers of technical, professional and construction services with more than 55,000 employees worldwide. Jacobs recently ranked #12/100 in the ENR 'Top Green Firms' with more than 600 LEED APs a multitude of projects certified through the USGBC including three of our own Jacobs Offices.



Kaiser Permanente

Kaiser Permanente is recognized as one of America's leading health care providers and not-for-profit health plans. Kaiser Permanente Orange County currently serves more than 470,000 members through a network of 7,000 physicians and employees.



League of California Cities

The League of California Cities is an association of city officials who collaborate statewide to influence policy decisions affecting cities. Our vision is to be recognized as the leading advocate for the common interests of cities by expanding/protecting local control to enhance the quality of life for all Californians.



Max Tech & Beyond Design Competition for Ultra-Low-Energy-Use Appliances & Equipment

Funded by the U.S. Department of Energy and managed by Lawrence Berkeley National Laboratory, this annual competition supports faculty-lead student design teams at U.S. universities to design, build and test ultra-low-energy-use appliance and equipment prototypes. The dual objectives of the Competition are to inspire the next generation ultra-efficient products and the engineers who design them. The winning teams for the AY12-13 competition will showcase their prototypes at Solar Decathlon 2013.

M.C. Dean

M.C. Dean is the nation's premier electrical design-build and systems integration firm for complex, mission-critical organizations. M.C. Dean's capabilities include electrical, electronic security, telecommunications, life-safety, instrumentation and control, and command and control systems.



Mitsubishi Electric Cooling & Heating

Mitsubishi Electric Cooling & Heating enhances people's lives by improving comfort, conserving energy and promoting environmental sustainability. We are the leading marketer of residential and commercial ductless air-conditioning and variable refrigerant flow zoning systems. Based in Suwanee, GA, we provide support, marketing and training to architects, contractors, engineers and distributors.





NAIOP

NAIOP Inland Empire is a regional chapter of the National Commercial Real Estate Development Association. It is a professional organization for developers, owners and brokers across all real estate sectors, and as such, aims to represent and advance the interests of its members by networking, business development, education and government affairs.



National Association of Home Builders

The National Association of Home Builders (NAHB) is the leading trade association representing the housing industry. NAHB helps promote policies that make housing a national priority. Since 1942, NAHB has been serving its members, the housing industry and the public at large.



NREL

The National Center for Photovoltaics (NCPV) focuses on technology innovations that drive industry growth in PV manufacturing by reducing costs, increasing cell efficiency and improving the reliability of PV components and systems. This center serves as a national resource for cutting-edge capabilities in PV research, development, deployment and outreach.



OPT Telescopes

Oceanside Photo & Telescope (OPT) is one of the world's top providers of astronomy equipment, installation and training services. Our many loyal customers include amateurs, seasoned astronomers, universities, the military and aerospace corporations. In 2012 OPT was named Innovator of the Year by the Oceanside Chamber of Commerce and has been included in Inc. Magazine's 500 America's Fastest Growing Private Companies list for the last three years.



Orange County Register

The Orange County Register is a three-time Pulitzer Prize-winning newspaper focused on building community and helping the communities we serve grow and prosper. The portfolio includes the *Long Beach Register*, 26 community newspapers serving Orange County's 34 cities, magazines, Spanish-language *Excelsior*, ocregister.com and orangecounty.com.



Orange County Transportation Authority

The Orange County Transportation Authority (OCTA) was formed in 1991 to create an integrated and balanced transportation system that supports diverse travel needs, delivers transportation solutions that enhance the quality of life and keeps Orange County moving.



Pella

Pella Corporation has a long history of environmental stewardship—and proud to partner with industry organizations that share our passion for protecting the planet. Pella has been recognized as an ENERGY STAR® Partner of the Year six times in recognition of our commitment to promoting the use of energy-efficient products.



PHATport

PHATport by PHAT Energy is a line of pre-designed solar structures for the home or commercial/public environments. PHATport can stand alone or be attached to a building; it can be large or small; it can be configured and accessorized as an EV Carport, a patio or a covered walkway; it will deliver *more power for your shade.*™



Plug In America

Plug In America is a nonprofit organization dedicated to promoting electric vehicle driving nationwide. We work hard for drivers, providing research materials and sponsoring events like National Plug In Day. We work with legislators to help make driving electric cars more affordable and charging infrastructure more accessible.



Rahus Institute

Solar Schoolhouse, a program of The Rahus Institute, is a K-12 solar energy education program with a hands-on, project-based approach. The central theme 'Your Solar Home' strengthens the connection between home, classroom and the real world. Curriculum and project guides, along with solar classroom and project kits are available.



Schneider Electric

As a global specialist in energy management with operations in more than 100 countries, Schneider Electric offers integrated solutions across multiple market segments, including leadership positions in utilities and infrastructure, industries and machines manufacturers, non-residential buildings, data centers and networks, and residential buildings.



Southern California Edison

Edison International will have Southern California Edison representatives available to discuss the California Solar Initiative photovoltaic and solar water heating rebate programs. Come learn about how to select a contractor and what to expect from your solar system. Also learn about energy-efficiency measures and available rebates.



Southern California Gas Company

Southern California Gas Co. (SoCalGas) has been delivering clean, safe and reliable natural gas to its customers for 145 years. It is the nation's largest natural gas distribution utility, providing service to 20.9 million consumers. The company's service territory encompasses approximately 20,000 square miles throughout central and southern California.



SunSolar U.S.

SunSolar's specialists provide full-service photovoltaic panel system installation. Expert consultation throughout the entire process maximizes energy production. The available platform is utilized to its fullest potential. A subsidiary of AMN Sun-Solar, SunSolar U.S. is an American and Israeli partnership. SunSolar's renewable energy systems are continuously reviewed and revised to maintain its cutting edge position. The technology used is constantly updated through rigorous and thorough testing and implementation of the newest products available on the market.



The Energy Coalition

The Energy Coalition is a California-based 501(c)3 non-profit corporation founded in 1975 to mobilize, educate, inform and empower communities to change the way they use and think about water, energy and other resources that are critical to ensuring a sustainable environment. The Energy Coalition meets its goals by developing cooperative programs, championing new practices and behaviors in the areas of water and energy conservation and use, and developing and implementing educational initiatives.



Tierra Verde Industries & e-Recycling of California

Tierra Verde Industries (TVI) recycles green waste, wood waste, and construction and demolition materials. TVI accepts these feedstocks and after processing, produces more than 20 different superior quality soil amendments and mulches for landscaping, gardening and agricultural use. TVI also provides local waste hauling services. e-Recycling (ERC) of California is a leader in electronic recycling. ERC is committed to the safe and environmentally sound dismantlement of all electronic waste.



Toyota

The Toyota Drive Center features a variety of fuel-efficient hybrids and zero emission, plug-in electric vehicles from Toyota, including the Rav4 EV, Prius PHV, Prius V, Prius c, Camry Hybrid, Avalon Hybrid, Highlander Hybrid. The 250,000 square-foot course allows participants to drive the vehicles in a variety of situations, with product experts on hand to ride along with participants and provide information about each Toyota vehicle.



U. S. Department of Energy Housing Innovation Awards

The Housing Innovation Awards recognize the very best in innovation on the path to zero net-energy ready homes. The awards, presented for the first time at the U.S. Department of Energy Solar Decathlon 2013, bring some of DOE's key residential programs together under the umbrella of one event. Visit our booth to learn more about leading DOE Challenge Home Builders, Home Performance with ENERGY STAR Participating Contractors and Building America Top Innovations that have transformed the market in the last year.

U.S. Department of Energy SunShot Initiative



Visit the SunShot Innovation Pavilion to learn how the U.S. Department of Energy's SunShot Initiative is supporting game-changing solar technologies and solutions. SunShot funds more than 250 projects that explore every possible way to drive down the cost of solar, from developing an efficient solar cell that's thinner than a human hair to creating a GIS-based tool that can perform site assessments from space.

U.S. Green Building Council



The Orange County Chapter of the U.S. Green Building Council (USGBC) promotes the sustainable design and construction principles for new construction and the built environment. We are a resource of the USGBC's LEED rating system for the Orange County corporate community.

University of California, Irvine



For nearly 50 years, UC Irvine (UCI) has served as a center for quality education and research, equipping students to become responsible, productive members of society and finding innovative means to address contemporary issues. By harnessing the University's immense physical and intellectual resources, UCI is finding sustainable solutions for our changing world.

Urban Land Institute

The Urban Land Institute (ULI), is a 501(c)(3) nonprofit research and education organization supported by its members. Founded in 1936, we now have members worldwide, representing the entire spectrum of land use and real estate development disciplines working in private enterprise and public service. A multidisciplinary real estate forum, ULI facilitates an open exchange of ideas, information and experience among industry leaders and policy makers dedicated to creating better places.

URS CORP

URS is a fully integrated planning, architecture, engineering and construction company with the capabilities to support every stage of the project life cycle. Our 57,000 employees in nearly 50 countries care deeply about the work they do and the opportunities it provides to shape the natural and built environments.

VERIZON

Verizon Wireless has invested more than \$80 billion since it was formed in 2000—on average more than \$6 billion every year—to increase the coverage and capacity of its premier nationwide network and offering customers innovative services that enhance their quality of life and productivity.



Vital Link of Orange County

When it comes to connecting education and business, Vital Link has been a leader for 25 years. Vital Link provides project-based learning experiences that bring the world of work into the educational environment. Vital Link informs students on how they can *Explore, Discover and Connect™* to their future career.



Ygrene

Ygrene is the leading developer and administrator of clean energy financing programs throughout the U.S. Ygrene funds renewable generation, energy-efficiency and water conservation upgrades to both residential and commercial properties, with no up-front costs. This results in lower utility bills, local job creation and the reduction of greenhouse gas emissions.



Daily Schedule

Thursday, October 3

- **U.S. Department of Energy Solar Decathlon 2013**
11 a.m. – 7 p.m.
- **SunShot Innovation Pavilion (Exhibitors)**
11 a.m. – 7 p.m.
- **Foundation for the Great Park Powerful Ideas Symposium**
12 – 5:45 p.m.
 - **Reinventing Energy Efficiency**
12 – 12:45 p.m.
 - **Improving Our Communities One Street at a Time**
1 – 1:45 p.m.
 - **SoCalGas Advanced Meters**
2 – 2:45 p.m.
 - **Connected Technology and Energy Efficiency**
3 – 3:45 p.m.
 - **Proactive Surveillance Solutions**
4 – 4:45 p.m.
 - **What is the SunShot Initiative and What are its Goals?**
5 – 5:45 p.m.
- **Bosch Community Fund Powerful Ideas Classroom**
Featuring the Kids Discovery Village
11 a.m. – 7 p.m.
- **XPO Transportation Zone**
11 a.m. – 7 p.m.
 - **Toyota Drive Center**
11 a.m. – 7 p.m.

Schedules Subject to Change

Thursday, October 3 (Continued)

- **Bosch eBike Experience**
11 a.m. – 7 p.m.

■ Palm Court Arts Complex

11 a.m. – 6 p.m.

- **Gallery Tours with OC³ Artists and Curators**
2 p.m.
- **Sun Boxes around the Park with Craig Colorusso**
11 a.m. – 6 p.m.
- **Makers Depot**
11 a.m. – 6 p.m.

■ Competitors Pavilion

11 a.m. – 7 p.m.

■ Farm + Food Lab

11 a.m. – 6 p.m.

■ ABC Green Home

11 a.m. – 7 p.m.

Friday, October 4**■ U.S. Department of Energy Solar Decathlon 2013**

11 a.m. – 7 p.m.

■ SunShot Innovation Pavilion (Exhibitors)

11 a.m. – 7 p.m.

Friday, October 4 (Continued)**■ Foundation for the Great Park Powerful Ideas Symposium (Municipal Day)**

11 a.m. – 4:45 p.m.

Location 1 – Powerful Ideas Symposium

- **Energy Efficiency Best Practices**
11 – 11:45 a.m.
- **Funding for Energy Efficient Projects**
12 – 12:45 p.m.
- **Energy Efficient Assessment, Audits and Tracking**
1 – 1:45 p.m.
- **Working Together to Bring Energy Efficiency to Low-Income Communities**
2 – 2:45 p.m.
- **The Home of the Future: DOE Challenge Home**
3 – 3:45 p.m.
- **How Smart Cities Can Solve the Energy Dilemma**
4 – 4:45 p.m.

Location 2 – Hangar 244

- **Overview of CAL Green Code**
12 – 12:45 p.m.
- **Green Fleet Operations for Municipalities**
1 – 1:45 p.m.
- **Renewable Energy for Cities and Counties**
2 – 2:45 p.m.
- **Solar Policies on the Local and Statewide Levels**
3 – 3:45 p.m.

Friday, October 4 (Continued)

- **Bosch Community Fund Powerful Ideas Classroom**
Featuring the Kids Discovery Village
11 a.m. – 7 p.m.
- **XPO Transportation Zone**
11 a.m. – 7 p.m.
 - **Toyota Drive Center**
11 a.m. – 7 p.m.
 - **Bosch eBike Experience**
11 a.m. – 7 p.m.
- **Palm Court Arts Complex**
11 a.m. – 6 p.m.
 - **Gallery Tours with OC³ Artists and Curators**
2 p.m.
 - **Sun Boxes around the Park with Craig Colorusso**
11 a.m. – 6 p.m.
 - **Makers Depot**
11 a.m. – 6 p.m.
- **Competitors Pavilion**
11 a.m. – 7 p.m.
- **Farm + Food Lab**
11 a.m. – 6 p.m.
- **ABC Green Home**
11 a.m. – 7 p.m.

Saturday, October 5

- **U.S. Department of Energy Solar Decathlon 2013**
11 a.m. – 7 p.m.
- **SunShot Innovation Pavilion (Exhibitors)**
11 a.m. – 7 p.m.
- **Foundation for the Great Park Powerful Ideas Symposium**
12 – 5:45 p.m.
 - **Kids** **ROBOTIS KidsLab**
12 – 12:45 p.m.
 - **Green Idea House**
1 – 1:45 p.m.
 - **Solar Soft Costs Innovation: A Challenge and Opportunity**
2 – 2:45 p.m.
 - **Kids** **Mad Science: Up, Up and Away!**
3 – 3:45 p.m.
 - **Retrospective on Sustainable Architecture**
4 – 4:45 p.m.
 - **Residential Energy Feedback: Research, Technology and Potential for the Smart Home**
5 – 5:45 p.m.
- **Bosch Community Fund Powerful Ideas Classroom**
Featuring the Kids Discovery Village
11 a.m. – 7 p.m.
- **XPO Transportation Zone**
11 a.m. – 7 p.m.

Saturday, October 5 (Continued)

- **California Challenge Morning Heats**
11:00 a.m. – 12:30 p.m.
- **California Challenge Afternoon Heats**
2 – 5 p.m.
- **Toyota Drive Center**
11 a.m. – 7 p.m.
- **Bosch eBike Experience**
11 a.m. – 7 p.m.
- **Palm Court Arts Complex**
11 a.m. – 6 p.m.
 - **Gallery Tours with OC³ Artists and Curators**
2 p.m.
 - **Sun Boxes around the Park with Craig Colorusso**
11 a.m. – 6 p.m.
 - **Makers Depot**
11 a.m. – 6 p.m.
- **Competitors Pavilion**
11 a.m. – 7 p.m.
- **Farm + Food Lab**
11 a.m. – 6 p.m.
 - **Kids Bee Aware Workshop**
12 p.m., 1 p.m. and 2 p.m.
 - **Nature's Recyclers: Worms**
1 – 2 p.m.
 - **A Sustainable Garden Without Soil: Straw Bale Gardening**
2 – 3 p.m.

Saturday, October 5 (Continued)

- **Sustainable Landscaping: California Natives**
3 – 4 p.m.
- **Kids Flower Power Workshop**
3 p.m., 4 p.m. and 5 p.m.

■ ABC Green Home

11 a.m. – 7 p.m.

Sunday, October 6**■ U.S. Department of Energy Solar Decathlon 2013**

11 a.m. – 7 p.m.

■ SunShot Innovation Pavilion (Exhibitors)

11 a.m. – 7 p.m.

**■ Foundation for the Great Park Powerful Ideas Symposium
(Home and Business Consumer Day)**

12 – 5:45 p.m.

- **How to Make Your Home Green**
12 – 12:45 p.m.
- **Smart Home...Smart Savings**
1 – 1:45 p.m.
- **SCE Homeowners Class:
California Solar Initiative Rebate Program**
2 – 2:45 p.m.
- **SoCalGas Workshop:
Solar Water Heating Incentives and Rebates**
3 – 4:45 p.m.
- **Financing Energy Efficient Retrofits**
5 – 5:45 p.m.

Sunday, October 6 (Continued)

- **Bosch Community Fund Powerful Ideas Classroom**
Featuring the Kids Discovery Village
11 a.m. – 7 p.m.
- **XPO Transportation Zone**
11 a.m. – 7 p.m.
 - **California Challenge Final Heats**
11 a.m. – 1 p.m.
 - **California Challenge Awards Ceremony**
2 – 3 p.m.
 - **Toyota Drive Center**
11 a.m. – 7 p.m.
 - **Bosch eBike Experience**
11 a.m. – 7 p.m.
- **Palm Court Arts Complex**
11 a.m. – 6 p.m.
 - **Gallery Tours with OC³ Artists and Curators**
2 p.m.
 - **Sun Boxes around the Park with Craig Colorusso**
11 a.m. – 6 p.m.
 - **Makers Depot**
11 a.m. – 6 p.m.
- **Competitors Pavilion**
11 a.m. – 7 p.m.
- **Farm + Food Lab**
11 a.m. – 6 p.m.

Sunday, October 6 (Continued)

- **Kids A Bountiful Harvest Workshop**
12 p.m., 1 p.m. and 2 p.m.
 - **Backyard Habitat**
1 – 2 p.m.
 - **Wine Barrels, Wooden Pallets, and Other Cast Offs**
2 – 3 p.m.
 - **Sun and Seeds**
3 – 4 p.m.
 - **Kids Good Bugs, Bad Bugs Workshop**
3 p.m., 4 p.m. and 5 p.m.
- **ABC Green Home**
11 a.m. – 7 p.m.

Thursday, October 10

- **U.S. Department of Energy Solar Decathlon 2013**
11 a.m. – 7 p.m.
- **SunShot Innovation Pavilion (Exhibitors)**
11 a.m. – 7 p.m.
- **Foundation for the Great Park Powerful Ideas Symposium**
12 – 5:30 p.m.
 - **U.S. Green Building Council and the LEED Rating System**
12 – 12:45 p.m.
 - **Smart Buildings, Smart People**
1 – 1:45 p.m.

Thursday, October 10 (Continued)

- **Production Homebuilding:
Navigating Energy Codes and Buyer Demand
on the Path to Zero Net Energy**
2 – 3:30 p.m.
- **Energy Efficient Technology in OC**
3:45 – 4:30 p.m.
- **Clean Baseload Power Generation to Complement
Renewable Sources**
4:45 – 5:30 p.m.
- **Bosch Community Fund Powerful Ideas Classroom**
Featuring the Kids Discovery Village
11 a.m. – 7 p.m.
- **XPO Transportation Zone**
11 a.m. – 7 p.m.
 - **Toyota Drive Center**
11 a.m. – 7 p.m.
 - **Bosch eBike Experience**
11 a.m. – 7 p.m.
- **Palm Court Arts Complex**
11 a.m. – 6 p.m.
 - **Gallery Tours with OC³ Artists and Curators**
2 p.m.
 - **Into the Light, Sun Photography Tour with Alan Friedman**
2 p.m.
 - **Makers Depot**
11 a.m. – 6 p.m.

Thursday, October 10 (Continued)■ **Competitors Pavilion**

11 a.m. – 7 p.m.

■ **Farm + Food Lab**

11 a.m. – 6 p.m.

■ **ABC Green Home**

11 a.m. – 7 p.m.

Friday, October 11■ **U.S. Department of Energy Solar Decathlon 2013**

11 a.m. – 7 p.m.

■ **SunShot Innovation Pavilion (Exhibitors)**

11 a.m. – 7 p.m.

■ **Foundation for the Great Park Powerful Ideas Symposium
(Green Careers Day)**

12 – 3:45 p.m.

- **Opportunities in the Field of Sustainable Design and Construction**
12 – 12:45 p.m.
- **Meet Clean Tech Companies Hiring in Orange County**
1 – 1:45 p.m.
- **Educational Opportunities for Green Careers**
2 – 2:45 p.m.
- **Energy Research—Hot Air or the Right Stuff?**
3 – 3:45 p.m.

Friday, October 11 (Continued)**■ Bosch Community Fund Powerful Ideas Classroom***Featuring the Kids Discovery Village*

11 a.m. – 7 p.m.

■ XPO Transportation Zone

11 a.m. – 7 p.m.

• Toyota Drive Center

11 a.m. – 7 p.m.

• Bosch eBike Experience

11 a.m. – 7 p.m.

■ Palm Court Arts Complex

11 a.m. – 6 p.m.

• Gallery Tours with OC³ Artists and Curators

2 p.m.

• Sun-Gazing Workshop with Alan Friedman

2 p.m.

• Makers Depot

11 a.m. – 6 p.m.

■ Competitors Pavilion

11 a.m. – 7 p.m.

■ Farm + Food Lab

11 a.m. – 6 p.m.

■ ABC Green Home

11 a.m. – 7 p.m.

Saturday, October 12

- **U.S. Department of Energy Solar Decathlon 2013**
11 a.m. – 7 p.m.
- **SunShot Innovation Pavilion (Exhibitors)**
11 a.m. – 7 p.m.
- **Foundation for the Great Park Powerful Ideas Symposium**
12 – 5:45 p.m.
 - **Kids Mad Science: Up, Up and Away!**
12 – 12:45 p.m.
 - **Solar for Homeowners**
1 – 1:45 p.m.
 - **Retrospective on Sustainable Architecture**
2 – 2:45 p.m.
 - **Kids Green Learning Adventure**
3 – 3:45 p.m.
 - **System Integration—the Challenges and Benefits of Solar on Your Roof**
4 – 4:45 p.m.
 - **Sustainability in Architectural Design**
5 – 5:45 p.m.
- **Bosch Community Fund Powerful Ideas Classroom**
Featuring the Kids Discovery Village
11 a.m. – 7 p.m.
- **XPO Transportation Zone**
11 a.m. – 7 p.m.
 - **Toyota Drive Center**
11 a.m. – 7 p.m.

Schedules Subject to Change

Saturday, October 12 (Continued)

- **Bosch eBike Experience**
11 a.m. – 7 p.m.
- **Palm Court Arts Complex**
11 a.m. – 6 p.m.
 - **Gallery Tours with OC³ Artists and Curators**
2 p.m.
 - **Makers Depot**
11 a.m. – 6 p.m.
- **Competitors Pavilion**
11 a.m. – 7 p.m.
- **Farm + Food Lab**
11 a.m. – 6 p.m.
 - **Kids The Web of Life Workshop**
12 p.m., 1 p.m. and 2 p.m.
 - **Carbon Footprint: Growing Your Own Veggies**
1 – 2 p.m.
 - **Backyard Energy: From Waste to Soil**
2 – 3 p.m.
 - **Water Wisdom: Control Your Controller**
3 – 4 p.m.
 - **Kids Stone Soup Workshop**
3 p.m., 4 p.m. and 5 p.m.
- **ABC Green Home**
11 a.m. – 7 p.m.

Sunday, October 13

- **U.S. Department of Energy Solar Decathlon 2013**
11 a.m. – 7 p.m.
- **SunShot Innovation Pavilion (Exhibitors)**
11 a.m. – 7 p.m.
- **Foundation for the Great Park Powerful Ideas Symposium**
12 – 3:45 p.m.
 - **Sustainable Urban Futures**
12 – 12:45 p.m.
 - **K-12 Energy Efficient Education Trends**
1 – 1:45 p.m.
 - **SCE Homeowners Class:
California Solar Initiative Rebate Program**
2 – 2:45 p.m.
 - **Solving Climate Change**
3 – 3:45 p.m.
- **Bosch Community Fund Powerful Ideas Classroom**
Featuring the Kids Discovery Village
11 a.m. – 7 p.m.
- **XPO Transportation Zone**
11 a.m. – 7 p.m.
 - **Toyota Drive Center**
11 a.m. – 7 p.m.
 - **Bosch eBike Experience**
11 a.m. – 7 p.m.

Sunday, October 13 (Continued)**■ Palm Court Arts Complex**

11 a.m. – 6 p.m.

- **Gallery Tours with OC³ Artists and Curators**
2 p.m.
- **Makers Depot**
11 a.m. – 6 p.m.

■ Competitors Pavilion

11 a.m. – 7 p.m.

■ Farm + Food Lab

11 a.m. – 6 p.m.

- **Kids Flower Power Workshop**
12 p.m., 1 p.m. and 2 p.m.
- **Anywhere Anytime Energy: Growing in Pots**
1 – 2 p.m.
- **Solar Powered Food: Backyard Orchard**
2 – 3 p.m.
- **Soil Science Building a Good Foundation**
3 – 4 p.m.
- **Kids Good Bugs, Bad Bugs Workshop**
3 p.m., 4 p.m. and 5 p.m.

■ ABC Green Home

11 a.m. – 7 p.m.

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XPO Bronze Sponsors



XPO Bronze Sponsors—Great Park Neighborhood



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- Smart & Final Charitable Foundation

For a list of all U.S. Department of Energy Solar Decathlon sponsors visit solardecathlon.gov or the-xpo.org.

**Provided funding for the Irvine Station shuttle serving the Solar Decathlon 2013 and the Solar Decathlon Express serving UCI to this event*

Thank You to Our XPO Programmatic Partners!

AIA Orange County



**Urban Land
Institute**

Orange County/Inland Empire



orange county chapter



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**DISCOVERY
SCIENCE CENTER**

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U.S. Department of Energy Solar Decathlon

The U.S. Department of Energy Solar Decathlon is an award-winning program that challenges collegiate teams from across the nation and around the world to design, build and operate solar-powered houses that are cost-effective, energy-efficient and attractive. During two week-ends in October, visitors will have the opportunity to tour the houses, gather ideas to use in their own homes and learn how energy-saving features can help save money.

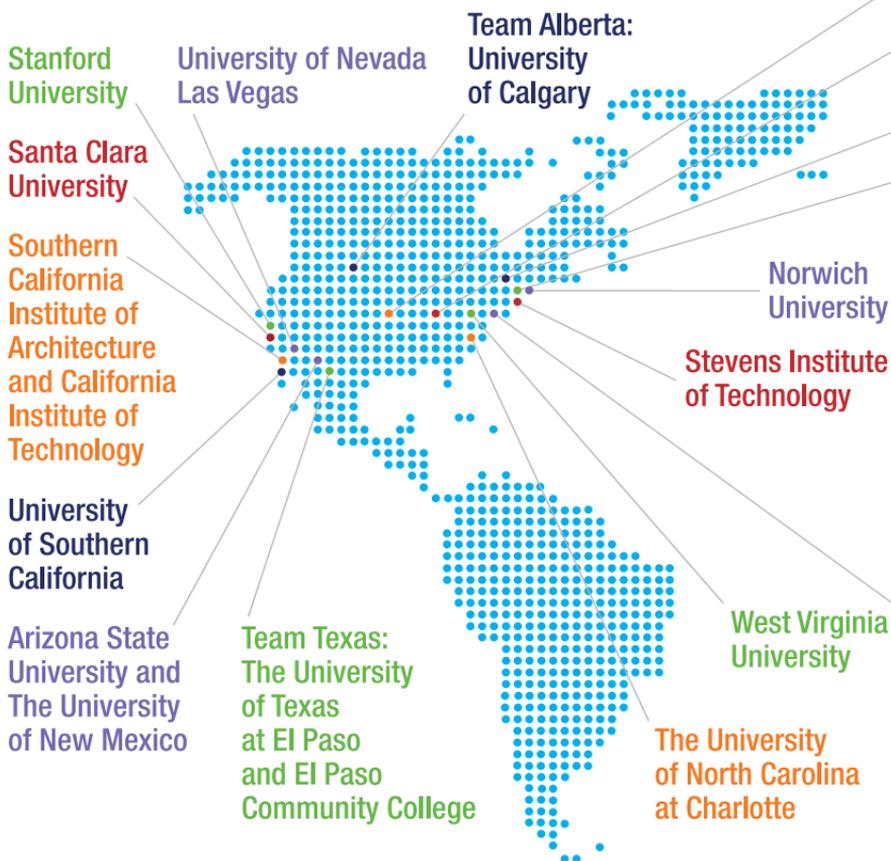
The U.S. Department of Energy Solar Decathlon consists of 10 contests, including architecture, market appeal, engineering, communications, affordability, comfort zone, hot water, appliances, home entertainment and energy balance. The winner of the competition is the team that best blends affordability, consumer appeal and design excellence with optimal energy production and maximum efficiency.

For the first time since its inception in 2002, this exciting competition will be held outside of Washington, D.C. and will be hosted at the Orange County Great Park in Irvine, California, from October 3–6 and 10–13.

Once you've toured the XPO visit the U.S. Department of Energy Solar Decathlon 2013! For more information, see the U.S. Department of Energy Solar Decathlon 2013 Visitors Guide or visit **solardecathlon.com**. See Pages 68-69 of this guide for a map of the Solar Village.

The Collegiate Teams

The collegiate teams that design, build and operate the competition's solar-powered houses are the heart of the U.S. Department of Energy Solar Decathlon. The following teams will compete in the Solar Decathlon 2013:



Missouri University of Science and Technology

Kentucky/Indiana: University of Louisville,
Ball State University and University of Kentucky

Team Ontario: Queen's University,
Carleton University, and Algonquin College

Middlebury College

Czech Republic:
Czech Technical
University

Team Austria:
Vienna University
of Technology

Team Capitol DC: The Catholic University of America,
George Washington University, and American University





Orange County Great Park



The **Orange County Great Park** is located in the heart of Irvine in Southern California, a booming center of renewable energy and clean tech innovation, investment and research, which makes it the ideal venue for the U.S. Department of Energy Solar Decathlon 2013 and XPO. The Great Park is easily accessible from John Wayne Airport, the freeway, and rail and bus services and is located near world-class hotels, shops, restaurants and attractions.

With its 1,300-acre Master Plan, the Great Park is the centerpiece of the redevelopment of the publicly-owned portion of the 4,700-acre former Marine Corps Air Station El Toro. The goal of the Great Park is to bring a world-class metropolitan park to Orange County, with a wide range of cultural, social, recreational and educational amenities. Currently, more than 230 acres of the Great Park are activated or under construction.

For more information about the Orange County Great Park, visit ocgp.org or call **866-829-3829**.

General Event Information

Information and Questions

For general information or inquiries onsite, please visit one of two **Welcome Tents** at either entry point to the Solar Village. See inside front cover map for location information.

Lost Children

We recommend parents designate one of the Welcome Tents at either entrance to the Solar Village as a place to meet if you and your child become separated. You should also immediately ask a uniformed staff member, wearing a yellow XPO or Solar Decathlon T-Shirt, for assistance.

For younger children, we recommend placing a sticker on the inside bottom of your child's shirt with your cell phone number in case they become lost and we need to contact you. Please do not put the name of your child on the sticker. Stickers are available at Welcome Tents.

First Aid

First aid stations are located in the XPO. Please see inside front cover map for location information.

Water Stations

Self-serve water stations are available in the XPO and Solar Village. Please see inside front cover map for location information. We encourage you to bring your own reusable water bottle.



Thank You to Our XPO Gold Sponsors



Thank You to Our Additional Sponsors

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- CleanTechOC • Clear Channel • Cox Communications • Doctor's Ambulance Service
 - DR Horton • KB Homes • KHovanian Homes • KPCC 89.3
- League of California Cities • Lennar • Mitsubishi Electric Cooling & Heating
 - Mobile Source Air Pollution Reduction Review Committee
- Orange County Register • Orange County Transportation Authority • Pulte Homes
 - Richmond American Homes • Ryland Homes • Shea Homes
- Smart & Final Charitable Foundation • Southern California Gas Company
 - Taylor Morrison Homes • The New Home Company • Tri Point Homes
- University of California, Irvine • Valley Crest Landscape Companies • Verizon
 - VIZIO • William Lyon Homes • Ygrene Energy Fund



U.S. DEPARTMENT OF ENERGY
SOLAR DECATHLON



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