

U.S. DEPARTMENT OF ENERGY  
**Solar Decathlon 2011 Finalists:**  
 A SPECIAL PRESENTATION



Ten years ago this spring, the U.S. Department of Energy invited colleges and universities to compete in the inaugural **Solar Decathlon**, a competition to design, build, and demonstrate a solar-powered house on the National Mall. Since the first **Solar Decathlon** in the fall of 2002, the program has unleashed the creative power of architecture and engineering students to rethink the role of energy efficiency—and solar power in particular—in home design and raised public awareness on the topic. The **Solar Decathlon** challenges student teams to integrate reliable and efficient solar power with excellent design, resourceful engineering, and affordable systems.

The teams in this exhibition have already competed against their peers for one of the 20 places in the Solar Village. To secure a spot on the Mall, each team submitted extensive proposals, including models of their conceptual designs. With **Solar Decathlon 2011** still more than a year away, all are hard at work designing their houses.

The teams competing in this fifth **Solar Decathlon** are the most diverse yet, representing five countries on four continents, illustrating the promise of solar energy in a variety of geographic locations and climates. With their different design approaches and target markets, these 20 competitors show that solar-powered living can be for everyone.



MASS	UIUC	APPST	TONG	NY	PUR	MIDD	CALG	NZ	VA						
<b>DECATHLETE WAY</b>															
CA	UH	GHENT	PARS	OSU	FLA	UMD	TENN	NJ	FIU						
MASS: Team Massachusetts	UIUC: Illinois	APPST: Appalachian State	TONG: Team China	NY: Team New York	PUR: Purdue	MIDD: Middlebury College	CALG: Team Canada	NZ: New Zealand	VA: Tidewater Virginia	FLA: Team Florida	OSU: Ohio State	PARS: Parsons NS Stevens	GHENT: Team Belgium	UH: Hawaii	CA: SCL-Arc/Caltech
															↑ NORTH

The teams have selected their sites along Decathlete Way, with half on the north side and half on the south, so each team already knows who its neighbors are. This exhibition has been designed to represent the position of the houses on the Mall and their relationship to the sun. The pattern on the floor offers a clue to the location of the Solar Village on the Mall, while the treatment of the walls and ceiling brings the movement of the sun into the gallery. The orange dots represent the path of the sun throughout the year; while the set of gold dots illustrates where the sun will be in fall 2011, when the **Solar Decathlon** begins.



**THE TEN CONTESTS FOR 2011**

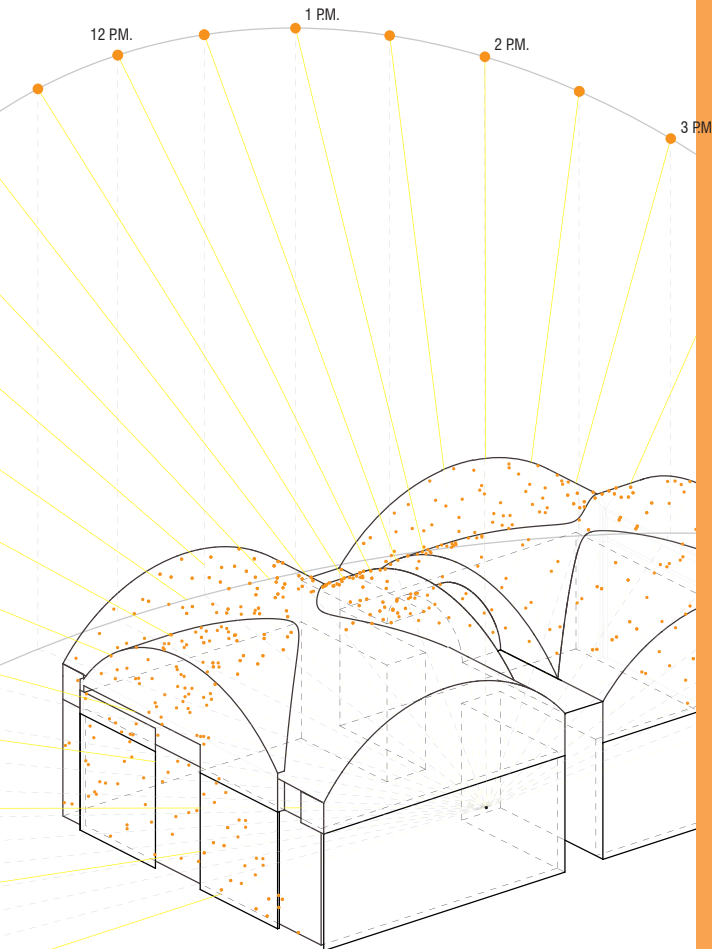
- Architecture • Market Appeal
- Engineering • Communications
- Affordability • Comfort Zone
- Hot Water • Appliances
- Home Entertainment
- Energy Balance

U.S. Department of Energy Solar Decathlon 2011  
 Finalists: A Special Presentation is co-presented by  
 the National Building Museum, the U.S. Department  
 of Energy Solar Decathlon, and the National  
 Renewable Energy Laboratory.



[www.solardecathlon.gov](http://www.solardecathlon.gov)

All images credit Stefano Paltera/U.S. Department of Energy Solar Decathlon



### MUSEUM HOURS

Monday – Saturday, 10:00 am – 5:00 pm  
 Sunday, 11:00 am – 5:00 pm

### ADMISSION

Admission is free. A donation of \$5  
 per person is suggested.

### LOCATION

401 F St NW, between 4<sup>th</sup> and 5<sup>th</sup>  
 at the Judiciary Square Metro Station  
 (Red Line Metro). Wheelchair access  
 at 4<sup>th</sup> and G Street entrances.

### MUSEUM SHOP

The Museum Shop, located on the ground  
 floor, is Washington's finest source of  
 design- and building-related books and  
 gifts, including jewelry, home furnishings,  
 toys, and games. Museum members receive  
 a discount on all purchases.

### MEMBERSHIP

Museum membership offers such privileges as  
 invitations to exhibition openings and special  
 events; discounts on Museum Shop purchases,  
 public programs, and tours; and a subscription  
 to the Museum Calendar. To become a  
 member, call 202.272.2448, ext. 3200 or  
 visit [www.nbm.org](http://www.nbm.org).

E/L STUDIO  
 4/23/2010

### ABOUT US

The National Building Museum explores  
 the world we build for ourselves—from  
 our homes, skyscrapers, and public buildings  
 to our parks, bridges, and cities. Through  
 exhibitions, programs, and publications,  
 the Museum seeks to educate the public  
 about achievements in architecture,  
 design, engineering, urban planning,  
 and construction.

30<sup>th</sup>



anniversary  
 1980-2010

NATIONAL BUILDING MUSEUM  
 401 F Street NW Washington, DC 20001  
 202.272.2448 / [www.nbm.org](http://www.nbm.org)  
 Red Line Metro, Judiciary Square

6 PM.



NORTH

# Solar Decathlon 2011 FINALISTS

A SPECIAL PRESENTATION

an exhibition at the

**NATIONAL BUILDING MUSEUM**

May 1 through July 25, 2010

