



INLAND EMPIRE

U.S. Green Building Council  
Inland Empire Chapter

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## See the Green in Highland Join Us for Tours & Networking!



### LEED Gold Certified Building Tour: Highland Sam J. Racadio Library & Environmental Learning Center

#### **When**

Wednesday, July 28, 2010  
5:30-6:00 pm—Networking & Appetizers,  
6:30 pm—Presentation; Tours Begin.

#### **Where**

7863 Central Avenue, Highland, CA 92346

#### **Fee**

USGBC-IE Members \$15 Non-Members \$25 Full-Time Students \$8  
(prices increase at the door)

#### **Register**

<http://usgbc-inlandempire072810.eventbrite.com/>

**NOTE: Space is limited to 100 people, all RSVPs must be received by July 26th!  
Please make your reservation as soon as possible!**

This month's LEED Building Tour will feature The Highland Sam J Racadio Library and Environmental Learning Center. The LEED Gold Certified Library is a 45,000 square foot building that embodies environmental conservation and education.

The building boasts numerous LEED credits captured to achieve the Gold Certification. These are a few of the points that heavily contributed to the rating level achieved.

- **Storm Water Quantity and Quality Measures.** A roof which covers approximately 8,600 SF of green roof, multiple small retention basins that surround the structure and 2 large basins permit the project to capture and treat a 24 hour 100 year storm.
- **Optimize Energy.** Structure is composed of mainly high R-value ICF (Insulating Concrete Forms) walls, high performance glazing helps create an efficient shell, low energy using light fixtures, high efficiency mechanical units as well as automatic daylight sensors all contribute to making the structure 40% more efficient than a standard T-24 structure.
- **Renewable Energy** Structure's 29.4 kW-AC Photovoltaic System provides approximately 366,000 KWh/year which equates to approximately 17% of all power needed.
- **Heat Island Effect: Roof.** Roof consists of a combination of green roof gardens and TPO roofing. Gardens are used to grow food for a number of the animals housed in the critter area of the ELC.
- **Recycled Content.** 28% of the project is made of recycled materials. Chief contributors were structural steel, fly ash concrete, metal framing and the rubber flooring.