

# San Diego Green 2006

*February 11<sup>th</sup> & 12<sup>th</sup>*

*A conference to explore green design,  
green building, and green decision making*

*Held at the Joan B. Kroc Center for Peace  
University of San Diego*

*Attended by Don Barrie  
Math and Sciences Building Committee  
San Diego Mesa College*

# Green Design and Energy Efficiency

*Excerpts from a recent article by conference speaker Hunter Lovins*  
(source: <http://www.sandiegogreen.org/news-lovins2-makingitlast.html>)

- The best and cheapest “source” of energy is not supply, but efficiency.
- Efficiency measures are faster to implement than new supply.
- Energy efficiency usually costs far less than the fuel or electricity it saves.
- In 2001, the U.S. National Academy of Sciences reported that cost-effective efficiency efforts could roughly double U.S. fleet efficiency without compromising safety or performance.

**Conference highlights included a guided tour of sustainably designed buildings in the San Diego area, including...**



**Sun Harbor  
Marina**



**Del Sur Ranch House**

**Arnold and Mabel Beckman  
Center for Conservation  
Research**



# Del Sur Ranch House...



- Extensive use of recycled materials, including sunflower husks and recycled blue jeans.
- Use of solar (photovoltaic) cells masked as roof tiles.
- Use of pervious pavements to encourage groundwater recharge.
- Extensive use of local stone for construction & landscaping.



# Sun Harbor Marina...

- First LEED-certified marina in the world.
- Innovative & aesthetic designed features, including a tile fountain and “shell-imprint” dock.
- Recipient of E.A.R.T.H. award from San Diego Earth Works.
- Onsite recycling center for building occupants.



# Arnold and Mabel Beckman Center for Conservation Research...

- Hillside solar (photovoltaic) array provides a portion of onsite electrical needs.
- Strategically placed windows maximize use of natural sunlight for indoor lighting.
- Use of waterless urinals and low-flow fixtures reduces water consumption.
- Use of recycled materials in flooring, roofing, and other features.



# Selected Green Resources...

- **Labs21—Labs for the 21<sup>st</sup> Century** (<http://www.labs21century.gov/>)
- **10 Ways to Go Green** (<http://www.worldwatch.org/node/3915>)
- **Sustainable Design and Higher Education**  
(<http://www.ciwmb.ca.gov/GreenBuilding/Schools/HigherEd.htm>)
- **College/University Green Building Case Studies**  
([http://www.epa.gov/ne/assistance/univ/bmpcasestudies\\_gb.html](http://www.epa.gov/ne/assistance/univ/bmpcasestudies_gb.html))
- **Campus Consortium for Environmental Excellence**  
(<http://www.c2e2.org/resources.htm>)