



P0120320 - Photography © Christopher Mayer

Designed as an Affordable, Buildable and Certifiable (ABC) Green Home, this Craftsman-style, 1,695-square-foot, 3-bedroom, 3-bath home is a Net-Zero energy-consumption model home, which provides a blueprint for builders on how to mass produce environmentally-friendly houses that generate as much energy as they consume. Built by Southern California Edison and *Green Home Builder* magazine, this cutting-edge, high-tech home is equipped with the latest energy and water efficiencies and onsite/offsite monitoring systems and includes solar panels, a cool roof, and a system that recycles the water supply within the house. It was built with less wood and more insulation to allow it to regulate and maintain a comfortable ambient temperature. It was also designed using universal design principles including lower counter tops and wider hallways for wheel chair access and user-friendly features for all life-stages.

ABC Green Home

Client

Peninsula Publishing &
Southern California Edison

Location

Irvine, CA

Use

Net-Zero Single Family Home

Facts

- Plan - 1,695 SF
- “Walls of the Future” - 2”x6” lumber set 24” apart instead of 2”x4” spaced 16” apart.
- Holes in walls made for vent, water and sewer pipes are sealed to prevent energy loss
- Radiant-Barrier Roof
- Solar Panels
- Heat Pump
- Gray Water
- On-Demand Recirculation Pump
- Programmable System that reduces power when energy demands are high on the grid.
- Microwave beneath countertops to make wheelchair accessible

Awards

2013 SoCal Awards

- Award Winner

2013 Gold Nugget Awards

- Grand Award

2013 ULI Best of the Best in O.C. and I.E. Awards

- Award Nominee



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