

Solatube International

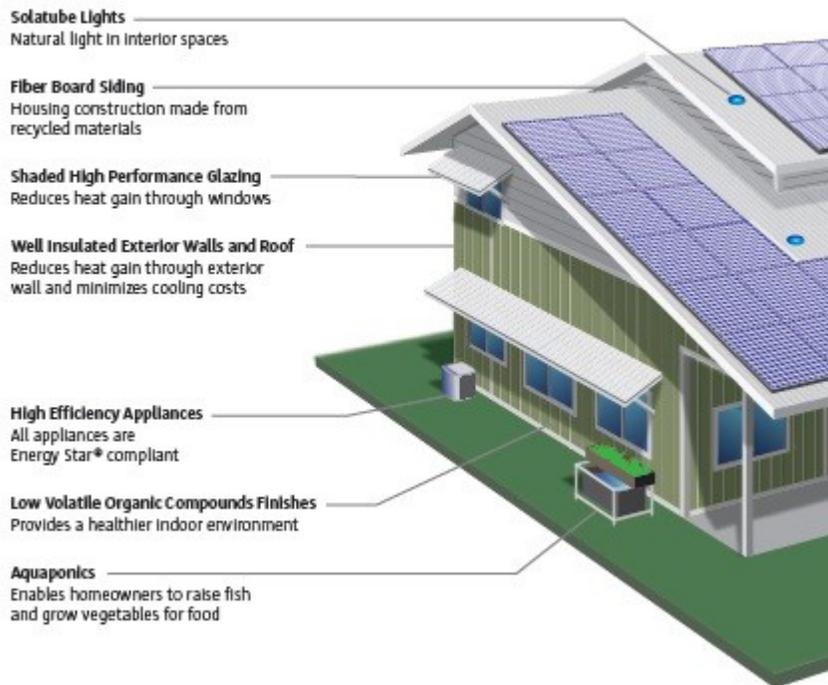
# Daylighting Facts & Figures

Property Value/  
Residential Real  
Estate

## Hawaii home development incorporates daylighting to reduce energy consumption by 40%

Kaupuni Village—the first net-zero energy affordable housing community in Hawaii has achieved the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED®) Platinum designation. Each home was designed to have at least 40% lower energy consumption than the baseline, which is minimally 2006 International Energy Conservation Code (IECC) compliant. Energy efficiency was achieved through a variety of measures, including: High efficiency lighting and daylighting with good solar control.

### Net-Zero Energy By Design: A Kaupuni Village Home



(Photo courtesy of NREL)

(2012, May). Kaupuni Village: A closer look at the first net-zero energy affordable housing community in Hawaii. U.S. Dept. of Energy, National Renewable Energy Laboratory. Retrieved from <http://www.nrel.gov/docs/fy12osti/53401.pdf>

### **Daylighting allows developer to attract premium tenants at premium rents**

According to the Rocky Mountain Institute, a great example of energy-efficient design is the Conde Nast building in New York City's Times Square. By improving ventilation rates and daylighting, the building uses half the normal amount of energy yet came in at market median costs, making it a win-win for the developer, which was able to recruit premium tenants quickly at premium rents.

Monroe, L. (2002, February). Problem-solver - Amory Lovins Questions Design and Resource Efficiency. *Buildings*. Retrieved from <http://www.buildings.com/article-details/articleid/659/title/problem-solver-amory-lovins-questions-design-and-resource-efficiency.aspx>

### **Return on investment a plus for homes with daylight**

"Daylighting" improvements that boost your home's brightness and energy efficiency offer substantial return on investment for both home sellers and those who will be staying in their homes for the foreseeable future.

(2012, February) Selling or staying put, 'daylighting' improvements pay off for homeowners. *Orlando Real Estate News*. Retrieved from <http://orlandohomeinspectionnews.com/selling-or-staying-put-daylighting-improvements-pay-off-for-homeowners/#more-2234>

### **Lighting responsible for 14% of all residential electricity consumption**

Residential lighting consumption was about 186 billion kWh or about 14% of all residential electricity consumption.

(2013, May). How much electricity is used for lighting in the United States? *U.S. Energy Information Administration*. Retrieved from <http://www.eia.gov/tools/faqs/faq.cfm?id=99&t=3>