

## New thoughts on green home design

Green home design is the wave of the future. Increasingly, people are paying attention to the environment and are seeking ways to minimize the impact everyday living creates. Over the last 30 years, efforts to develop technology and build more environmentally friendly homes are paying off. The increase in demand for green home design from 2005 to 2010 is expected to increase from 2 to 10 percent.

Several key factors are integral to green homebuilding. Reduced use of energy, water and natural resources, integration of renewable energy systems, reduced waste and fewer health risks are all requirements of green home design. Products used in construction must be toxin-free and made from natural or recycled materials. Paints and sealants used in green homes are made with low volatile organic compounds (VOC) while wood and insulation products are made from bamboo, soybeans and cotton, which are quickly replaced in the environment. Windows and doors have a high Energy Star rating and electric appliances and HVAC (heating, ventilation and air conditioning) systems must be energy efficient. A green home design will use natural light to minimize the use of electricity and position trees and awnings, etc. to shield summer sun. Natural and mechanical methods of air ventilation filter and vent the air, keeping it fresh and clean. Solar energy is a popular renewable energy source used in green home designs. Environmental consideration is given when selecting the site of the home, such as avoidance of fragile ecosystems like wetlands and the preservation of trees and plant growth or reclamation of existing structures or building sites.

The benefits of green home design are difficult to put a price on. The design and the natural materials lead to reduced internal pollution, and reduction or elimination of mold, mildew, carcinogens, and respiratory pollutants. This creates a healthier environment, reducing risks of respiratory, heart and allergy problems and cancer. The ecological-friendly products and resource conservation create fewer green house effects and pollutants, reducing the negative impact on the environment. The advantages of green home design include financial as well as health and environmental benefits since energy and water use is nearly cut in half. With knowledgeable contractors the construction costs are said to be about the same or less than conventional home construction. Additionally, initiatives by private agencies and government to build low cost green homes will further benefit construction costs at all income levels.

As consumers are educated to the benefits of green home design and products and designs improve, more people will choose to build environmentally friendly homes. Reference [Information Blogs Green built home Information Go here](#)

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