

## Endless Advantages In Building Green Houses

Building with green design concepts and architecture can be a rewarding experience for both your wallet and the environment. Although the initial costs of building a green house may top those of a conventional home, expenditures can be made up in reduced utility bills. One way in which building a green house is more efficient than building a standard house is in the reduced consumption of electricity.

Alternative energy sources can be used in building a green house. Using wind turbines can be one way to create electricity in green homes. Solar panels are an additional way to power electricity in a green house. With the cost of gas and coal powered utilities soaring, an investment in green technologies is likely to offset or even eliminate dependency on these limited [resources](#) for those building a green house. Installation and materials are the only aspects of solar and wind power that cost the builder anything. Both abundant and constantly renewable, the resources of sunlight and wind are free! Both solar panels and wind turbines are economical and environmentally friendly tools that can be used to tackle energy issues inherent in building a green house.

Another design concept that can be used in building a green house is the gray water system. Since they reuse water consumed in one area of the home for recycle in other areas, gray water systems are more efficient. For instance, using a gray water system could allow green home residents to collect water used while showering for watering a garden or flushing toilets! Since water is being reused throughout the home, less of this precious resource is being unnecessarily wasted in day to day living. Reducing the carbon footprint of a home and saving money on water utilities are two benefits afforded by using state of the art gray water system technologies.

Building materials used and design of the dwelling are also key factors to consider when building a green house. In building a green house, there are many options including recycled materials. From insulation to roofing and even flooring, it is possible to use recycled or salvaged materials for nearly every surface in green house designs! Recycled and salvaged materials have the double benefit of being both more cost effective and in many cases, more durable than other kinds of building materials. Using locally salvaged building materials can reduce the carbon footprint of a home even more if they are locally obtained. Since it does not require as much energy to manufacture and transport locally salvaged building materials, less pollution is created building a green house.

Temperatures within a green house can be regulated by building with different kinds of architecture. Green homes in colder climates can benefit from designs that maximize sun exposure and thus, heat retention. A comparable design principle can be applied to those building a green house in warmer areas. In warm places, residents can minimize sun exposure and harness naturally cooler biomasses beneath the surface of the Earth. The ways to reduce carbon footprints while saving money are truly endless when building a green house!

## About the Author

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