

Solar Energy

The Old Green

The New Green

GREEN KEY



- In the **passive design** approach, embodied in most historic architecture, the building layout and orientation are selected in reference to the sun.
- To compare to traditional fuel sources, the Texas State Energy Conservation Office estimates that the energy from sunshine per year on one acre of land in parts of the state equates to about **4000 barrels of oil**.
- The allowance of solar panels on roofs in historic districts will depend on their **visibility** and how they affect the buildings **historic character**.
- **Photovoltaic (PV)** power systems, made up of one or more integrated solar panels, use available sunlight to generate electricity.
- Larger PV systems can be expensive. It is important to implement **energy conservation** measures before investing in a large solar energy system.
- The **newest innovations**, like roofing materials with integrated PV cells, are the most costly.
- The Green Revival house will have two solar panels donated by **Standard Renewable Energy** to help meet the energy requirements.

Galveston



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