

E. ENERGY EFFICIENCY GUIDELINES

This section of the Design Guidelines serves to highlight elements in the site planning, design and construction phases of the Specific Plan that can be implemented to achieve a standard of energy efficient performance which is both desirable for the homeowner, the environment, and the builder/developer. Following standard planning and building practices typically ensures compliance with building code requirements and issuances of the necessary permits; however, implementation of these Energy Efficient Guidelines can substantially contribute to the reduction in environmental impacts associated with air quality, hydrology, water quality, and utilities.

The following Energy Efficiency measures have been added to the TRAILMARK Specific Plan as part of its final adoption by the Riverside County Board of Supervisors:

- All buildings and structures constructed in the Trailmark community shall exceed the California Code of Regulations Title 24 (Energy Efficiency Standards for Residential and Nonresidential Buildings) by a minimum of 10 percent.
- The design of residential homes shall incorporate basic or enhanced insulation such that heat transfer and thermal bridging are minimized.
- Air leakage through residential homes and within their heating and cooling distribution systems shall be limited to reduce energy consumption by HVAC systems.
- Windows shall be Energy Star-rated windows or better.
- Space heating and cooling equipment shall be Energy Star-rated or better.
- Lighting fixtures shall be Energy Star-rated or better.
- Interior building lighting shall maximize the use of compact fluorescent light bulbs or equivalently efficient lighting.
- Builders shall offer prospective homeowners the option of having their home pre-wired for solar technologies and provide options for solar-technology purchases in the initial home sale.
- Energy-efficient hot water systems shall be provided.
- Home fixtures and appliances that use or dispense water shall be water-efficient.
- Adequate bicycle parking shall be provided near non-residential building entrances to promote cyclist safety, security, and convenience.