



# SHOREBREEZE

SINGLE FAMILY HOMES

Clarum Homes is proud to introduce their first community of Enviro-Homes™ which is also California's first "Zero Energy Home Program" neighborhood. Shorebreeze combines innovative construction technologies, unsurpassed energy efficiency and the use of environmentally friendly construction materials. The Enviro-Home has earned the following designations: Energy Star®, ComfortWise<sup>SM</sup>, California Green Builder, and Zero Energy Home.

The 20 home project is located in East Palo Alto, California. All homes meet the Energy Star® Home program and ComfortWise<sup>SM</sup> requirements, which require homes to be 15% more energy efficient than typical new homes. Included energy efficiency features that go beyond the state energy code include:

- Wall insulation upgraded to effective R-19
- Caulking and sealing measures that ensure low air infiltration
- Spectrally selective glass high performance windows
- Tightly sealed ducts
- 80% efficient furnace
- Engineered heating and ventilating design

The California Green Builder guidelines require energy efficiency, air quality improvements, on-site waste recycling and reduction in water use. Clarum achieved energy efficiency and air quality mandates through ComfortWise. They diverted 50% of the construction waste from the land fill through recycling efforts and engineered wood, while they achieved reduction in water use through water conserving fixtures and landscape.

The Zero Energy Home Program, funded by the U.S. Department of Energy (DOE), and its National Renewable Energy Laboratory (NREL), requires the ZEH homes built in 2003-2004 to reduce the energy bill by 60% and attain an annual net-zero electricity use.



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One hundred percent of the homes at the Shorebreeze community in East Palo Alto will meet the Zero Energy Homes requirement of a 60% reduction in the energy bill. In addition to the features found in the ComfortWise Homes program, Zero Energy Homes will also include:

- Solar electric home power system
- Tankless water heater
- High-efficiency furnace and programmable thermostat
- Foam wrapped building envelope
- Radiant roof barrier sheathing
- Fiberglass doors
- Environmentally friendly paint
- Recycled content decking
- All fluorescent lighting
- Construction materials recycling

Clarum's Enviro-Home has been professionally designed, engineered, certified, and inspected with the assistance of its program partners to reduce energy consumption and use sustainable resources while improving comfort.

