

Zero Energy Home



Grand Opening Ceremony
at Armory Park del Sol
April 22, 2003

Welcome to Tucson's own **Zero Energy Home!**
Using renewable energy from the sun,
an energy-efficient building design,
and high-efficiency equipment,
the Zero Energy Home,
developed by **The John Wesley Miller Companies**
and the **NAHB Research Center**,
is designed to produce as much energy as it consumes.
Accordingly, **Tucson Electric Power** will run the home's
meter backward and credit homeowners
when the system feeds power back to the utility—
resulting in a net-zero energy bill.

The home's energy features include:

- A 3.5 kilowatt photovoltaic array to generate electricity from the sun
- An integrated solar water and space heating system
- Solid masonry construction
- R-14 polystyrene exterior wall insulation
- R-41 ceiling insulation
- Reflective roof coating to reduce attic heat gain
- Radiant barrier roof decking
- High-efficiency windows, ENERGY STAR appliances, and very high efficiency air conditioning system
- Permanent fluorescent lighting fixtures
- ENERGY STAR bathroom ventilation fans

The Zero Energy Home is sponsored by the U.S. Department of Energy's National Renewable Energy Laboratory. For more information, contact **The John Wesley Miller Companies** at (520) 325-3313 or www.armoryparkdelsol.com, or contact the **ToolBase Hotline** at (800) 898-2842 or www.toolbase.org.

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