

# National Tour of Solar Homes

Sat, Oct 4<sup>th</sup> 10am-4pm

## The Westbrook House

[www.enerjazz.com/house](http://www.enerjazz.com/house)

Once again the Westbrook Family will be conducting tours of their award-winning passive/active solar home in Fairview, TX.

Guided tours will run every 30 minutes and last about 50 minutes. Since 1996 the house has been toured by well over 1,600 people and featured in several magazines and TV shows. The house won the 1996 NAHB Energy Value Housing Award for Innovative Design. In 2009 Paul Westbrook was named the first Water Genius award winner by the North Texas Municipal Water District. In 2013 Paul was named to the "Who's Who in Energy" list by the Dallas Business Journal.



The 2,700-square-foot home has a 17-year average electric consumption of 796 kWh/mo (~\$85 cost) and an average water use of 2,800 gallons/mo (bill of \$13/month). These results were achieved using a variety of strategies including: passive solar design; active solar water heating; structural insulated panel construction; double-pane, low-e windows; geothermal heat pump; extensive natural lighting; hail-resistant metal roof; desiccant wheel air-to-air heat exchanger; partially earth-bermed garage; compact fluorescent bulbs in all fixtures; native landscaping; 3200-gallon rainwater collection tanks (for all outdoor use). A solar electric photovoltaic (PV) array was added in 2012 and expanded in 2014. Renewable energy supplies 2/3rds of the home's energy needs. The average monthly energy cost is now under \$20/month.

### Directions to the Westbrook House

440 Lakewood Drive, Fairview, Texas — Take U.S. 75/Central Expressway to Stacy Road (Exit #37 between Allen and McKinney). Exit at Stacy and go east approximately 2.2 miles to Old Stacy Road. Turn left on Old Stacy, then left on Lakewood. The Westbrook house is approximately 0.4 miles north on the right; look for "440" on the mailbox. Please park along the street and walk up the driveway.

