

National Tour of Solar Homes

Sat, Oct 5th, 2013



The Westbrooke House

10:00am – 4:00pm www.enerjazz.com/house

Once again the Westbrooke 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 1,500 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 Westbrooke was named the first Water Genius award winner by the North Texas Municipal Water District.

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 Skystream Wind Turbine was added in 2006 and a solar electric photovoltaic (PV) array was added in 2012. These systems now produce about 75% of the home's energy needs.

Directions to the Westbrooke House

440 Lakewood Drive, Fairview, Texas (Mapsco 461P) — 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 Westbrooke 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.

