



Founded in 1977, Palm Harbor Homes (Corporate) is based in Addison, Texas, and is one of the nation's largest marketers of factory-built homes, with nine controlled manufacturing facilities. Palm Harbor Homes has worked with the U.S. Department of Energy for over 20 years in providing energy efficient and sustainable manufactured and modular homes.

HOT-HUMID CLIMATE



BUILDER PROFILE

Builder: Palm Harbor Homes (Plant City, FL, is the factory that manufactured the showcased home)

Founded: 1977

Employees: 2,900

Square Footage: 3,000 sq. ft and up

Price Range: \$149,991 and up



Builders Challenge

Recognizing Energy Leadership in Homebuilding

High Performance Builder Spotlight

Palm Harbor Homes

2011 International Builders' Show

Treasure Sands Statistics

3,180 square feet, 5 bedroom, 2.5 bath

Performance Features & Certifications Achieved

- Expected to meet Builders Challenge standards with an EnergySmart Home ScaleSM of 55
- FGBC Certified Silver application pending

Thermal Shell

- ENERGY STAR[®] Low E vinyl indows (U=0.30, SHGC=0.28)
- R-24 walls, R-13 floors, R-30 ceilings

Heating, Cooling & Water Heating

- ACCA Manual D sized ducts & Manual J sized cooling/heating equipment
- 21 SEER /10 HSPF variable capacity (40-118% of nominal) heat pump
- Programmable thermostat
- Tankless gas water heater

Efficient Appliances & Lighting

- ENERGY STAR[®] appliances
- Extensive use of compact fluorescent and LED lighting

Comfort & Indoor Environmental Quality

- Performance tested duct system inside conditioned space
- Energy recovery ventilator (ERV)
- VOC source control including low VOC paint

Other Sustainable Features

- Resource efficient modular construction minimizes construction waste
- Elevator for accessibility
- Rated to withstand 150 mph wind zone with impact resistant doors and windows

Showcasing High Performance Construction at the International Builders' Show

BA-PIRC partner Palm Harbor Homes has again teamed up with a multitude of product sponsors to manufacture high performance show homes that have been displayed at the International Builders Show for six straight years. Palm Harbor Homes built the first Builders Challenge qualified home that was unveiled at the IBS 2008.

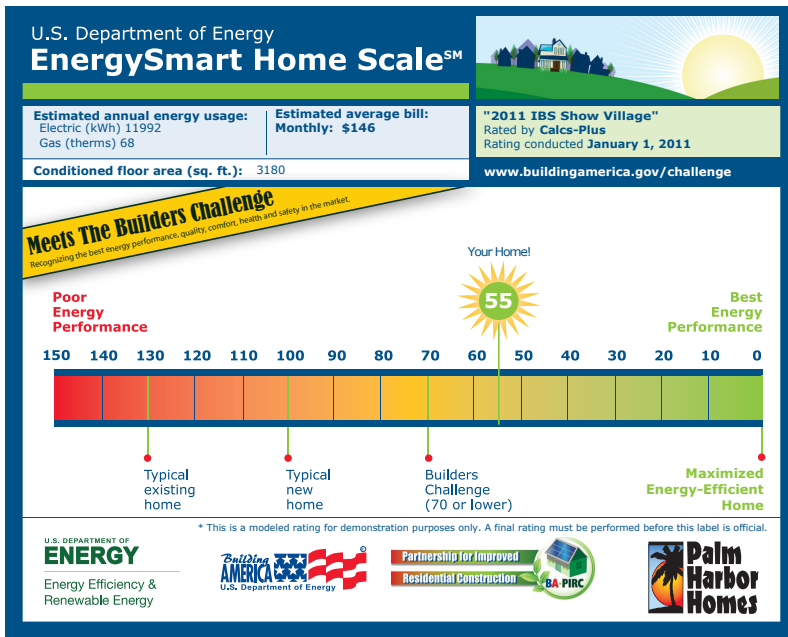
Palm Harbor's systems built homes are built for the highest efficiency in design, energy consumption and precision construction to save money and to save the planet. Building homes in environmentally-controlled building centers creates 40% less construction waste than traditional site built methods. Palm Harbor Homes has won numerous awards and was the EPA's 2007 ENERGY STAR® Partner of the Year.



The La Linda - 2010 IBS Show Village Home built by Palm Harbor Homes

US Department of Energy Builders Challenge

Homes that qualify for the Builders Challenge must achieve a 70 or less on the EnergySmart Home ScaleSM (E-Scale) which is based on the Home Energy Rating System (HERS) Index (www.natresnet.org). Homes must also meet Quality Criteria for building durability, indoor air quality, environmental stewardship, and occupant health, safety, and comfort. The E-Scale allows homebuyers to understand-at a glance-how the energy performance of a particular home compares with others.



To learn more about the Builders Challenge and find tools to help market your homes visit www.buildingamerica.gov/challenge

Contact Information

Building America Program

George S. James • New Construction • 202-586-9472 • e-mail: George.James@ee.doe.gov

Partnership for Improved Residential Construction (BA-PIRC)

Philip Fairey • Florida Solar Energy Center • 1679 Clearlake Road • Cocoa, FL 32922 • 321-638-1005 • fax: 321-638-1439
e-mail: pfairey@fsec.ucf.edu • www.ba-pirc.org

Palm Harbor Homes (PHH)

Mike Draper • 605 S. Frontage Road • Plant City, FL 33563 • 813-752-1368 • fax: 813-752-7280 • e-mail: mldraper@palm-harbor.com • www.palmharbor.com

U.S. DEPARTMENT OF
ENERGY

Energy Efficiency & Renewable Energy

EERE Information Center

1-877-EERE-INF (1-877-337-3463)
www.eere.energy.gov/informationcenter

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For information on Building America visit www.buildingamerica.gov. The website contains expanded case studies, technical reports, and best practices guides.