

Artistic Homes Introduces New Models at Albuquerque Parade of Homes

On October 14th, Artistic Homes officially introduced new model homes designed to reduce energy use by 30%–50% over that of standard, typically constructed new production homes in Albuquerque, New Mexico.

The new model homes, located in three subdivisions, are single-family houses designed to reduce construction costs, assure performance, and address health and safety concerns. The costs of delivering on the performance goals are believed to be comparable to standard construction. The homes features include:

- High-performance double-glazed, low-E windows result in a reduction of heat losses and heat gains of 30%–50% over standard windows
- Ducts and air handler placed within the conditioned space, eliminating both duct leakage to the outside and duct conductive gains, which results in reduced heating and cooling loads
- A 12-SEER (seasonal energy efficiency ratio) air conditioner, which uses less electricity to keep the house cool and comfortable in the summer
- A highly insulated wall assembly including 2"x6" framing, 24" on-center; a construction practice that conserves wood and reduces labor costs.

By using Building America technologies, these homes are expected to use up to 46% less energy than like houses built to the current New Mexico energy code (1992 MEC).

The builder is offering an energy guarantee program to the homebuyers. "When I started building homes in New Mexico back in 1965, I had no idea how much influence technology would have on our industry," said Jerry Wade, the Owner of Artistic Homes. "What I did know was that I staked my personal reputation on every new home I built. Now, thanks to Building America's advanced design, engineering, and construction techniques, Artistic Homes is pleased to announce the most revolutionary homeowner's guarantee ever offered. And, as always, we're staking our reputation on it."

This project was spurred by the success of the Building Science Consortium with previous test houses built through the U.S. Department of Energy's Building America Program. The Building Science Consortium is a Building America partnership that includes builders, architects, scientists, and manufacturers working together to provide energy-efficient and safe homes at costs comparable to or less than those of traditional homes.

For more information on this project, please contact Betsy Pettit at (978) 589-5100 or betsy@buildingsscience.com.★



Betsy Pettit, BSC/PIX03775

Artistic Homes introduces new energy-efficient model homes at the Albuquerque Parade of Homes.

Ground-Breaking News

- 1 **Artistic Homes Introduces New Models at Albuquerque Parade of Homes**
- 2 **Green Builder Program Offered in Metro Albuquerque**
- 2 **Upcoming Events**

Buildings for the 21st Century



U.S. Department of Energy
Office of Energy Efficiency and Renewable Energy
Office of Building Technology, State and Community Programs

Green Builder Program Offered in Metro Albuquerque

The Green Builder Program of the Home Builders Association of Central New Mexico along with the National Association of State Facilities Administrators, the State of New Mexico, Public Service Company of New Mexico, Fannie Mae, and Owens Corning as program partners, is the very first environmental building rating system in the state. The four major goals of the program are:

- Preserve the health of the environment
- Conserve water, energy, and other natural resources
- Reduce and recycle construction waste
- Strengthen the local economy by building homes for New Mexicans meeting our present need without compromising the needs of future generations

HOW THE PROGRAM WORKS

The Green Builder Program operates on a star rating — the more stars, the more green features in the home.

Builders and their associates (suppliers of green materials) agree to promote green building practices. Through technical, resource, and marketing assistance from a wide variety of national, state, and local organizations, we hope to see every home builder build green.

TIPS TO HOME BUYERS

Look for Green Builders when selecting a builder. Ask about items included in the Green home and how they can help you save money. Look at the big picture when making choices and think long term.

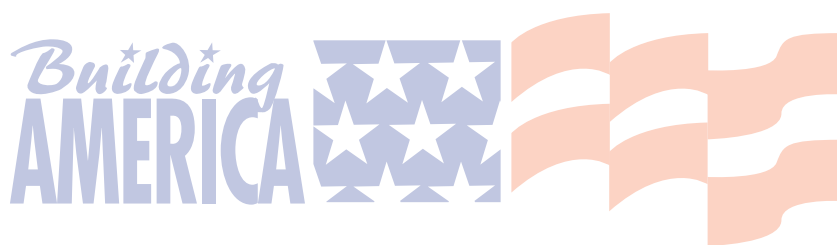
Upcoming Events

October 19–20	Annual Meeting of Quality Modular Building Task Force — Annapolis, Md. (Hickory)
October 20	Artistic Homes opening, Parade of Homes — Albuquerque, N.M. (BSC)
October 22–25	Benchmark 2000 Quality Conference — Pasadena, Calif.
October 25–28	EEBA Excellence in Building Conference and Exhibition — Denver, Colo. (Building America Exhibit)
October 29	Consumer Workshop — Albuquerque, N.M.
November 5–8	NAHB Building Systems Council — Savannah, Ga. (Building America Exhibit)
November 6–8	FEMA/PATH "Durability and Disaster Mitigation in Wood-Frame Housing" Conference — Madison, Wis.
November 15–17	Idaho Energy Conference — Sun Valley, Idaho (BSC)
January 27–31, 2001	ASHRAE Winter Meeting — Atlanta, Ga.
February 9–12	International Builders' Show — Atlanta, Ga. (Building America Exhibit)
April 30–May 5	Affordable Comfort Conference — Milwaukee, Wis. (Hickory)★

QUESTIONS?

Ask a Green Builder/Associate or contact the Home Builders Association of Central New Mexico (HBA of CNM) at (505) 344-3294, or write to:

Green Builder Program
HBA of CNM
5931 Office Boulevard NE, Suite 2
Albuquerque, NM 87109
Visit the HBA of CNM Web site at:
www.hbacnm.com/green_builder





BUILDINGS FOR THE 21ST CENTURY

Buildings that are more energy-efficient, comfortable, and affordable ... that's the goal of DOE's Office of Building Technology, State and Community Programs (BTS). To accelerate the development and wide application of energy efficiency measures, BTS:

- Conducts R&D on technologies and concepts for energy efficiency, working closely with the building industry and with manufacturers of materials, equipment, and appliances
- Promotes energy/money saving opportunities to both builders and buyers of homes and commercial buildings
- Works with state and local regulatory groups to improve building codes, appliance standards, and guidelines for efficient energy use
- Provides support and grants to states and communities for deployment of energy-efficient technologies and practices.

For more information on BTS, please go to our Web site at www.eren.doe.gov/buildings/.

Extra copies of this newsletter can be downloaded from http://www.eren.doe.gov/buildings/building_america/resources.shtml

October 2000, Rev. July 2001
NREL/BR-550-28952

Printed with a renewable-source ink on paper containing at least 50% wastepaper, including 20% postconsumer waste

Visit our Web sites at:

www.eren.doe.gov/buildings/building_america



www.pathnet.org



www.energystar.gov



Building America Program

George James • Building America Program • Office of Building Systems, EE-41 • U.S. Department of Energy
1000 Independence Avenue, S.W. • Washington, DC 20585-0121 • (202) 586-9472 • fax: (202) 586-8134
e-mail: George.James@ee.doe.gov

Building Science Consortium (BSC)

Betsy Pettit • Building Science Consortium • 70 Main Street • Westford, MA 01886
(978) 589-5100 • fax: (978) 589-5103 • e-mail: Betsy@buildingscience.com

Consortium for Advanced Residential Buildings (CARB)

Steven Winter • Consortium for Advanced Residential Buildings • 50 Washington Street • Norwalk, CT 06854
(203) 852-0110 • fax: (203) 852-0741 • e-mail: sw@swinter.com

Hickory Consortium

Mark Kelley • Hickory Consortium • 85 Depot Road • Harvard, MA 01451
(617) 491-1888 • fax: (617) 491-6004 • e-mail: dragon@world.std.com

IBACOS Consortium

Brad Oberg • IBACOS Consortium • 2214 Liberty Avenue • Pittsburgh, PA 15222
(412) 765-3664 • fax: (412) 765-3738 • e-mail: boberg@ibacos.com

Industrialized Housing Partnership (IHP)

Subrato Chandra • Florida Solar Energy Center • 1679 Clearlake Road • Cocoa, FL 32922
(321) 638-1400 • fax: (321) 638-1439 • e-mail: subrato@ucf.edu

National Renewable Energy Laboratory

Ren Anderson • 1617 Cole Boulevard, MS4111 • Golden, CO 80401
(303) 384-6191 • fax: (303) 384-6226 • e-mail: ren_anderson@nrel.gov

Building America is sponsored by the U.S. Department of Energy. Field support is provided by the National Renewable Energy Laboratory (NREL).

Building America Overview

The Program

The U.S. Department of Energy's Building America Program is reengineering the American home for energy efficiency and affordability. Building America works with the residential building industry to develop and implement innovative building processes and technologies — innovations that save builders and homeowners millions of dollars in construction and energy costs. This industry-led, cost-shared partnership program uses a systems engineering approach to reduce energy use, construction time, and construction waste by as much as 50%.

The Approach

Building America's systems engineering approach unites segments of the building industry that have traditionally worked independently of one another. It forms teams of architects, engineers, builders, equipment manufacturers, material suppliers, community planners, mortgage lenders, and contractor trades. There are five teams comprising more than 180 different companies.

The Results

Each Building America team is constructing test homes and developing community-scale projects that incorporate its systems innovations. More than 1,800 energy-efficient houses have been built by the teams to date. ★