

Texas Association of Builders

Energy Code Training

Presented by
Kristi Sutterfield
Executive Director,
Texas Association of Builders

The Development of SB 5

■ Clean Air Act

- Requires compliance with certain air quality standards.
- Some Texas cities failed to meet standards.
 - Houston and Galveston were among those cities. The Greater Houston Builders Association (GHBA) was already studying emissions issues.
- Building industry was targeted as one source for reducing emissions.
 - Through equipment modification.
 - “Construction shift” would have required any construction to begin after noon.

Texas Legislature Poised to Act

- 2 bills introduced in the 77th Legislature:
 - SB 5 To establish energy codes (2000 International Energy Conservation Code – IECC).
 - SB 365 To establish a uniform residential building code (International Residential Code – IRC) for Texas.

Parties Involved

- Texas Senator J.E. “Buster” Brown had clear intentions to pass energy conservation provisions.
 - Had several meetings of stakeholders.
 - TAB, Public Citizen, SECO, Engineers from Texas A&M.
 - Wrangled over the need to create a new energy code.
- TAB and GHBA informed these stakeholders that a state of the art code already existed.
 - Chapter 388 of SB 5 contains that code.

TAB Energy Code Training

- With the passage of SB 5 and SB 365 during the 2001 Legislative Session, Texas established a uniform residential building code (International Residential Code – IRC) and energy codes (2000 International Energy Conservation Code – IECC).

TAB Energy Code Training

- In 2002, these energy codes were new to most Texas builders, city building officials, community development corporations, affordable housing providers, architects, engineers, and home owners.

TAB & SECO working together

- Through a special projects grant from the U.S. Department of Energy, the Texas State Energy Conservation Office of the Comptroller of Public Accounts and the Texas Association of Builders established a series of residential energy code training programs across Texas to help disseminate the needed information for compliance with the energy segments of the codes.

2000 Energy Code Training Workshop

Basic Agenda

- Key Presentation Topics:
 - Why Energy Codes?
 - Background on Codes IRC / IECC
 - Overview of IRC / IECC 2000 requirements

2002 Energy Code Training Workshop

Basic Agenda

- Background – MEC- IRC/IECC
 - What are the requirements?
 - For Builders
 - For Municipalities
 - For Owners / Developers
 - Key building components and building science
 - Windows
 - Ducts
 - Mechanical
 - Lighting
 - Air Sealing

2002 Energy Code Training Workshop

Basic Agenda

- How Do I Comply?
 - Tools / Resources
 - Options
 - Analysis: A demonstration of the REScheck software for energy code compliance
 - Build a house to code
 - Review REScheck Documentation
 - Review impacts on different building components on compliance

2002 Energy Code Training Workshop

Basic Agenda

- Materials
 - Binder to include presentation materials
 - Sample reports
 - REScheck CD Software

2002 Energy Code Training Workshop

- 23 SECO / DOE funded workshops were conducted in 2002.

2002 Energy Code Training Workshop

■ Workshop locations:

- Greater Houston Area / Victoria / Galveston
- DFW / Denton (NTCOG area) / Fannin County
- San Antonio / San Marcos / Shertz / Hill Country / Comal County
- Corpus Christi / Kingsville
- Austin / Round Rock / Georgetown / Leander / Highland Lakes
- Tyler / Longview / Marshall / Texarkana / Lufkin
- Port Arthur / Beaumont / Orange
- Laredo
- El Paso
- Amarillo
- San Angelo
- Lubbock
- Abilene / Midland / Odessa
- Waco / Temple / Belton
- Harlingen / McAllen / Brownsville

2003 / 2004 Energy Code Trainings

- In 2003, TAB partnered with SECO and the Building Code Assistance Project to produce training sessions across Texas.
- Training time was increased to six hours, giving builders more specific training information. Amended training consisted of
 - Energy code instruction
 - Mold and moisture reduction information

2003 / 2004 Energy Code Training

- Trainings took place at TAB local associations
- Trainings were also conducted at
 - Dallas Landstar Homes
 - Sunbelt Builders Show
 - State Lumberman's Association Annual Conference

2004 / 2005 Energy Code Trainings

- In 2004, TAB renewed the partnership with SECO to produce 30 training sessions across Texas.
- To date, 28 trainings have been conducted across the state of Texas.

Energy Code Training - Marketing

- TAB has pursued an aggressive marketing campaign to attract members of the building industry.
 - Regionalized press releases
 - Direct mail postcards
 - Flyers
 - Web site announcements

Energy Code Training - Marketing

Flyer – Houston Training,
April 23, 2004



**GREATER HOUSTON BUILDERS ASSOCIATION
AND THE TEXAS ASSOCIATION OF BUILDERS**

RESIDENTIAL ENERGY CODE TRAINING

New provisions in Texas' energy code can reduce mold and moisture in buildings. Come and learn the facts at a six-hour seminar offered by the Greater Houston Builders Association and the Texas Association of Builders.



Date: April 23rd, 2004
Location: 9511 W. Sam Houston Parkway
Time: 9:30 a.m. until 3:30 p.m.
Cost: \$35 for members, \$40 for non-members
Contact: Erik Coffield (281) 970-8970

WHO SHOULD ATTEND THE TRAINING?
Anyone in the construction industry including builders, designers, engineers, architects, code officials, inspectors, realtors, insurance agents, general contractors, electricians, plumbers, HVAC contractors, insulation installers and molders. Course qualified for AIA Learning Credits.

WHAT WILL PARTICIPANTS LEARN?
Details of the new energy code along with how to demonstrate compliance to local officials. Profit and liability benefits of using energy efficient building techniques based on more than 10 years of research by LBNL. How these practices and practices will positively impact your bottom line by reducing liability, lawsuits and warranty costs. How to properly install the latest technology and share the benefits of an energy efficient home with your customers. Understand how the different climates can play a role in new home construction. Learn how to apply all of this information to make your company more profitable, your designs perform at their best and your ICC inspections right on target.



WHAT WILL PARTICIPANTS RECEIVE?

- Energy code support materials
- ResCheck Software
- "This House Checks Out" handbook on preventing water and mold problems (\$50 value)

PROJECT PARTNERS

- Texas Association of Builders and its 31 Affiliated Local Associations
- Amanda Goodman
- State Energy Conservation Office (SECO)
- Department of Energy (DOE)

FOR MORE INFORMATION CALL TOLL FREE 800-252-3625

Energy Code Training - Marketing

Postcard – Austin Training,
July 14, 2004

BUILDERS – ARE YOU PREPARED?

Are you complying with the new statewide energy code?

New provisions in Texas' mandatory energy code can reduce mold and moisture in buildings. Learn how at the six-hour Residential Energy Code Training course offered by your local home builder's association and the Texas Association of Builders (TAB). Each course runs from 9:30 a.m. to 3:30 p.m. and will provide:

- Latest RseCheck CD - How to comply with energy code requirements.
- Copy of TAB's Recommendations for the Prevention of Water Intrusion and Mold Infestation in Residential Construction.
- Details on the new specifications for windows...and more!

We're in your area!
Wednesday, July 14, 2004

HBA of Greater Austin
3932 Anderson Lane
Austin, Texas
Contact: Wallace Long at
(512) 474-5388

Lunch included

This training is made possible by a grant from the Texas State Energy Conservation Office.
www.escso.org/austin/tx.us

LUNCH SPONSORED BY AMANA GOODMAN.
FOR MORE INFORMATION, CONTACT 1(800) 252-3625



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Energy Code Training - Marketing

- Training dates, articles and announcements included in:
 - *Texas Builder* magazine
 - TABloid newsletter
 - Local association newsletter
 - Local association blast faxes
 - www.texasbuilders.org

Energy Code Training Multi-media CD

- In early 2004, SECO, TAB, and Building Media teamed up to produce an entertaining, multi-media training CD.
- CD produced in English and in Spanish
- Hosted by Doug Garrett and Steve Easley.
- Topics include
 - Compliance with the Texas Residential Energy Code
 - Using REScheck code compliance software
 - Applying building science to home construction and design
 - Addressing moisture issues

Energy Code – Partnerships Work

- TAB supports the goals related to increasing energy efficiency.
- TAB looks forward to continuing and building relationships with partners—entities like SECO, the Department of Energy, and the Comptroller of Public Accounts—that are committed to attaining those goals.