

Green Building Single Family Orientation



Mission:

*To lead the transformation of
the building industry to a
sustainable future*



**AUSTIN ENERGY
GREEN BUILDING**



History

- 1985 – Austin Energy Star
- 1991 – Green Building Program
- 1994 – Green Building moves under AE
- 2005 – Single family rated over 1,000 homes
- 2007 – City Council adopts Climate Protection Plan and ZECH by 2015
- 2009 – Inaugural class Green Boots graduates
- 2011 – Green Building Celebrates 20 years
- 2012 – 10,000 Home (under construction now)



About AEGB today

- Marketing and education program to promote more sustainable building
- Take a broad view of the green building is:
 - Process, teamwork, house as a system, community
- 3 programs today
 - Single Family
 - Multi -Family
 - Commercial

Why AEGB?

- Rating system tailored for hot and humid climate region in central Texas
- Local goals for community improvement
- Continuing education and outreach programs



AE & COA Coordination



AE Programs

- PowerSavers
- GreenChoice
- Distributed Energy
- Air Quality



COA Departments

- Neighborhood Planning & Zoning
- Watershed Protection Development Review
- Neighborhood Housing Community Development
- Solid Waste Services
- Austin Water Utility
- Public Works





We View a Building as a System

- Insulation
- HVAC
- Electrical (lighting)
- Building materials (sustainability and durability)
- Windows and window treatments
- All of these need to be considered in order to achieve the best result

Integrated project team:

- Owner
- Designer
- Builder
- Mechanical contractor
- Insulation contractor
- Landscape Designer
- Other major trades



Landscaping and the Rating

- Encourages native plants
- Low-water variety turfgrass
- Proper soil and compost base
- Storm water control
- Protection of trees
- Water-efficient irrigation systems



Why bother to rate a home?

- 3rd party verification
- Market recognition
- Increased value
- Having a home rated sets you apart from the completion



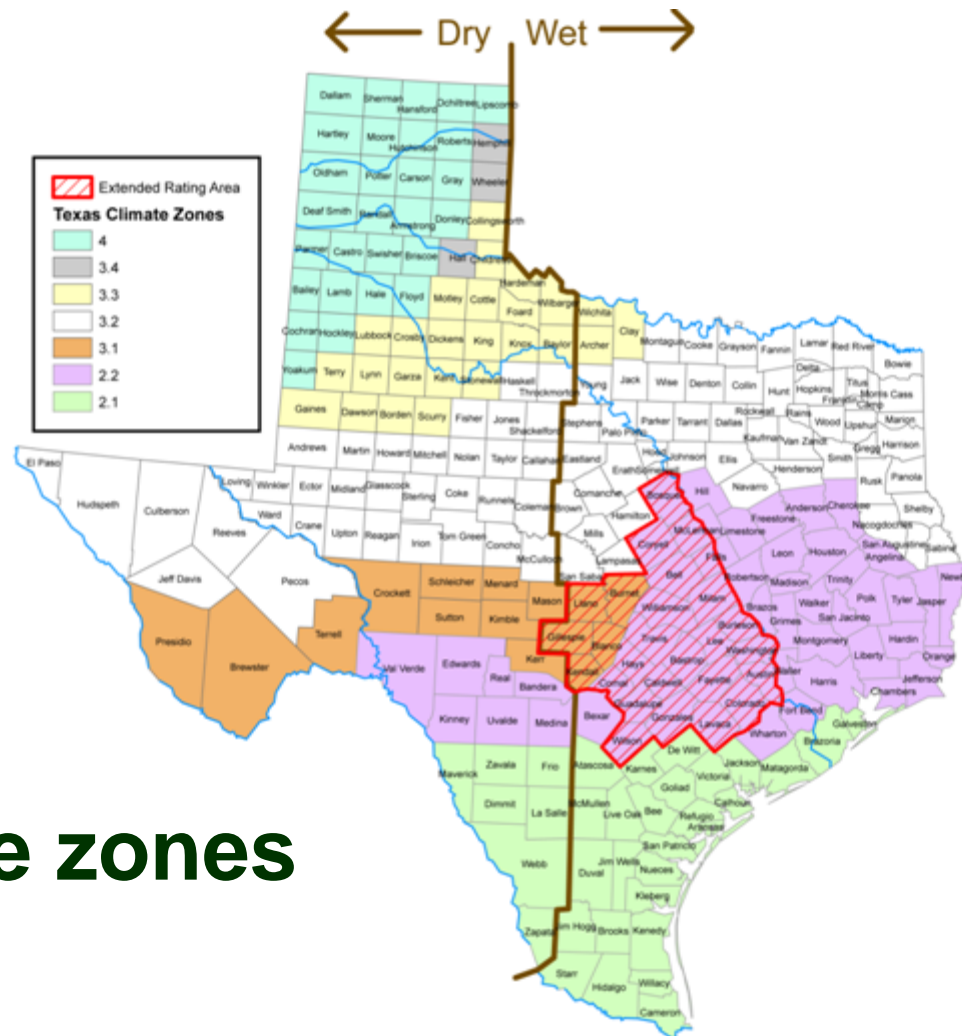
Education and Outreach

- Green by Design → coming up March 31st
 - Geared towards homeowners but open to all
 - Valuable sponsorship opportunities available
- Free monthly seminars at LCRA
- Cool House Tour
- Online directory
- Yard Signs



Rating Area

- 27 counties within extended area rater range



- 2 Different climate zones



Extended area raters

Increased its regional reach to:

- Respond to interest from builders operating outside our service area
- Maintain the integrity of the term “green building” in Central Texas
- Leverage broad similarities in terrain and climate
- Benefit from common interests, issues, and goals
- List of extended area raters can be found:
www.greenbuilding.austinenergy.com



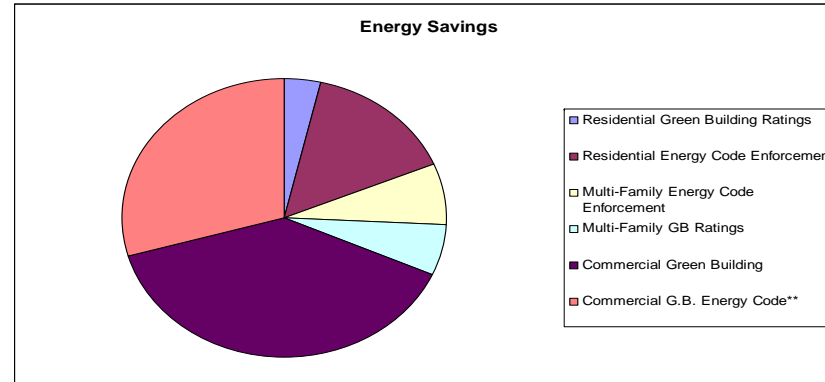
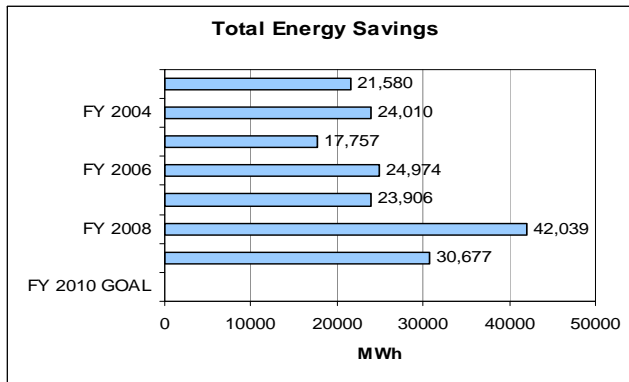
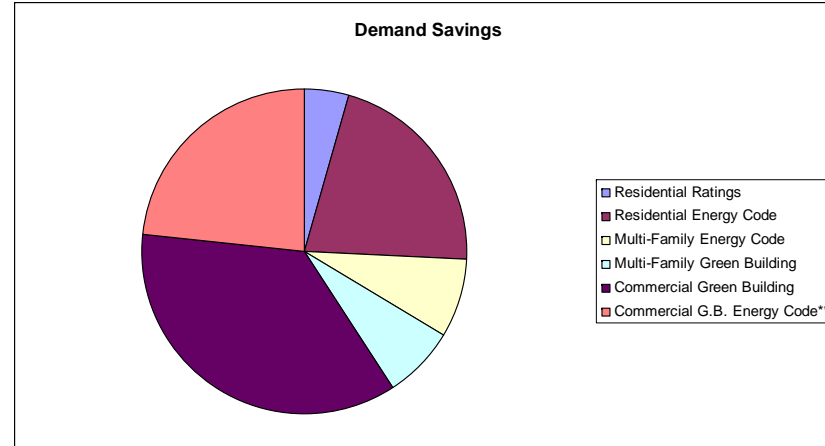
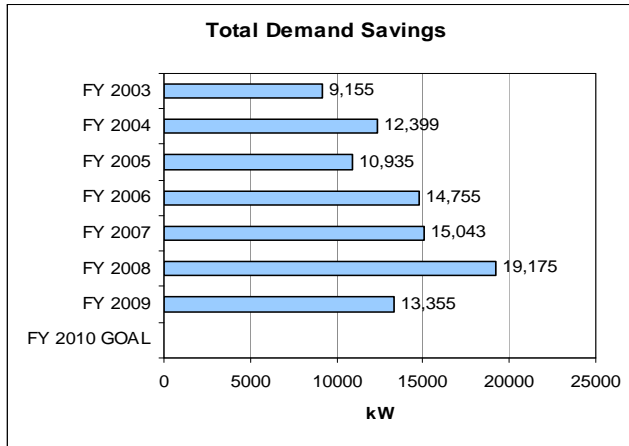
Extend Area Ratings

Besides the rating all projects in the extended area must meet:

- Current City of Austin codes
- Current AEGB basic requirements

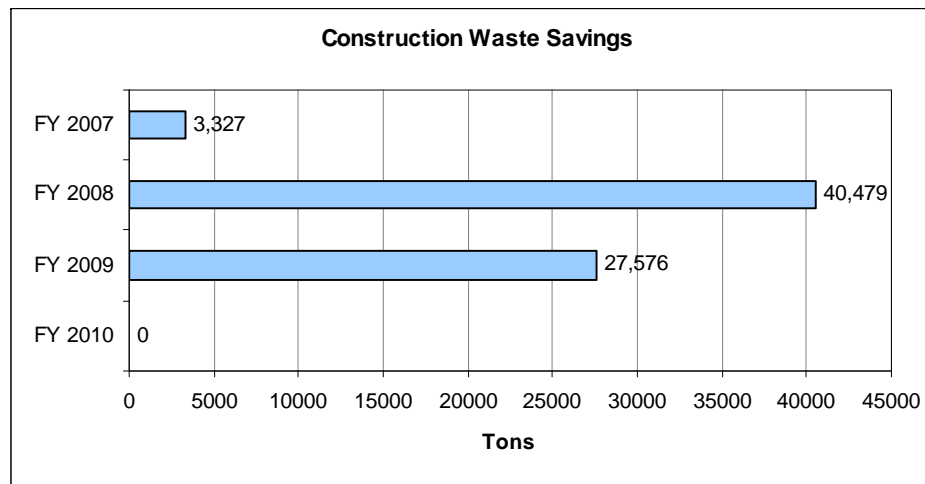
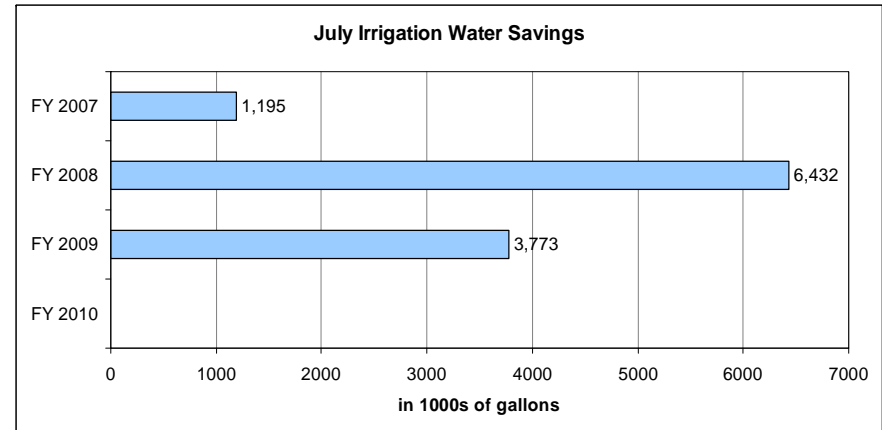
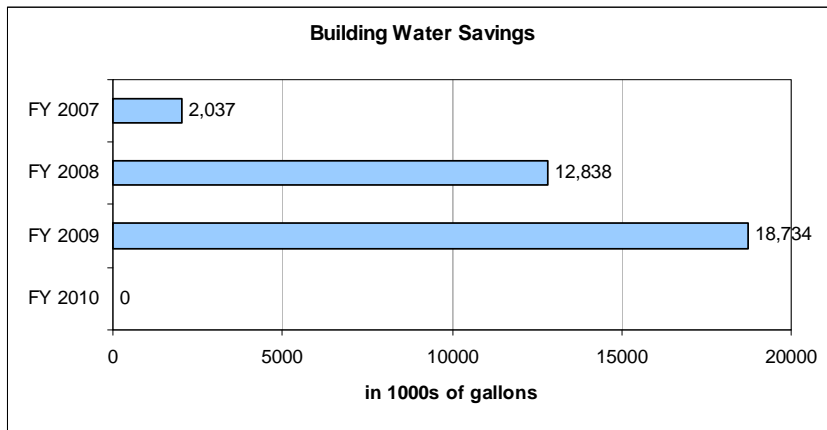


Green Building Total Savings





Green Building Total Savings



Thank you!

