

REGREEN Residential Remodeling Guidelines

REGREEN
ASID & USGBC



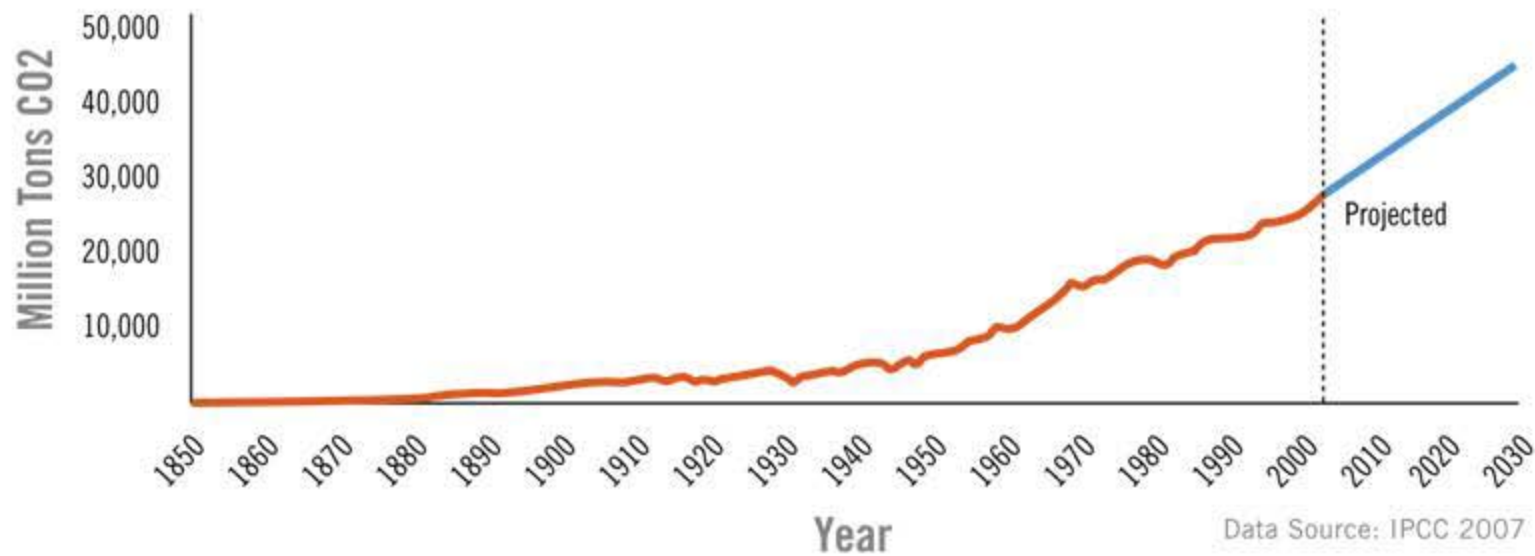
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Global Carbon Dioxide Emissions



Environmental Impact of Homes

In the United States, residential units consume 22% of the nation's energy and cause 20% of its greenhouse gas emissions.

What Green Residential Remodeling Addresses

- Climate control
- Resource depletion
- Water consumption
- Degradation of ecosystems/habitat
- Indoor environmental quality
- Occupant comfort and health
- Long term durability and maintenance costs



Education
Programs

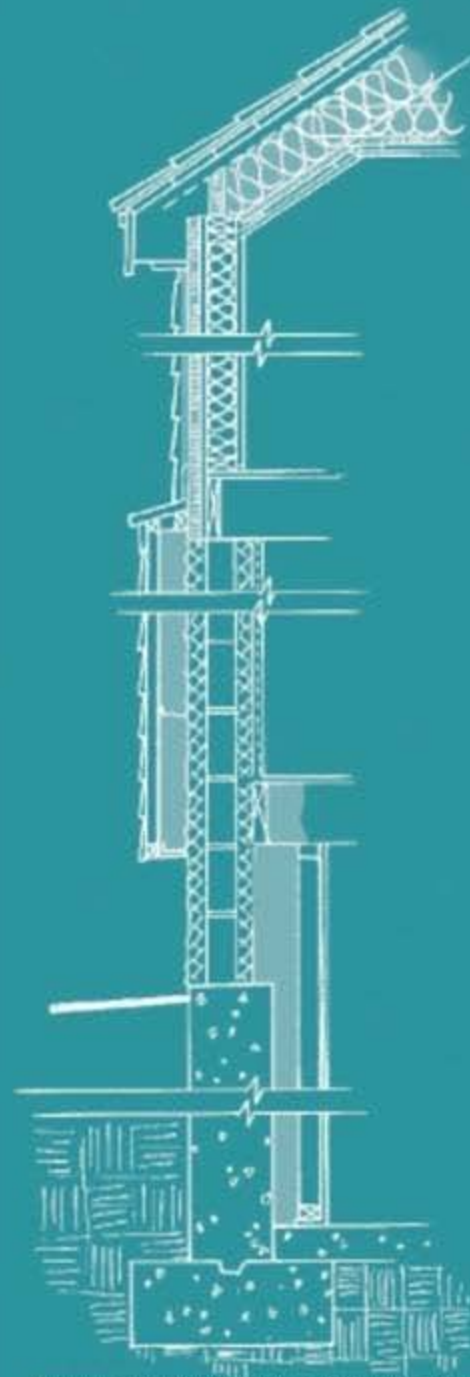
Projects

Guidelines

& Beyond

Focus of REGREEN

- Whole house, systems-thinking (process and products)
- Professional integration – architects, interior designers, engineers, builders, trades
- Good design, green design



What the Guide Is & Is Not

- Comprehensive, not stand-alone
- Paper-based, not electronic (sort of...)
- Project type, not project specific
- Guide, not a rating system
- Evolutionary, not the final word



What's in the Guide...

- Introduction: Green from the Start
- 10 Different Projects Types
- Project Resources
 - Integrated pre-design issues
 - Strategy library
 - Case study

Project Types:

- Kitchen
- Bath
- Work-living space
- Outdoor living space
- Bedroom
- Gut rehab
- Major addition
- Whole house deep energy retrofit
- Finished basement
- Weatherization

Education:

- Web-based
 - Webcasts
 - E-Learning
- Instructor Led
 - Presentations
 - Workshops

Education: Web-based

Downloads

- A self-guided overview, available for download in PowerPoint format

Education: Web-based

Webcasts

- Webinar series based on real world case studies (December '08 – February '09)
 - Intro to REGREEN Revolution
 - REGREEN Your Kitchen and Bath
 - REGREEN and Deep Energy Retrofit

Education: Web-based

E-Learning

- Self-guided, on-demand courses
(Available Spring 2009)
 - REGREEN: A Guide for Green Remodeling Projects
 - REGREEN: A Kitchen Remodel
 - REGREEN: A Bath Remodel
 - REGREEN: A Deep Energy Retrofit

Education: Instructor-Led

Presentations

- 1-hour or 2-hour presentations led by sustainability experts (Available now upon request)
 - REGREEN: The Basics of Green Residential Remodeling
 - REGREEN: Understanding Green Residential Remodeling

Education: Instructor-Led

Workshops

- REGREEN full-day workshops led by USGBC Faculty
 - REGREEN: Implementing Green Residential Remodeling Strategies

Education: Instructor-Led

Available First Half of 2009



Looking Ahead to 2009

REGREEN will become...

- Web-based tool
- Dynamic
- Interactive

Summary

- Existing homes have significant environmental impacts and green renovations can reduce these.
- Green design can be maximized by whole-house systems thinking, and professional and homeowner integration.
- REGREEN is a set of green residential remodeling guidelines based on project type.
- REGREEN is an evolutionary resource that will continue to expand to meet market demands.

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