

# California Green Builder

**A workable program with measurable benefits**





# California Green Builder

- Developed by BII
- Performance based
- HERS verified
- Quantifies environmental benefits
- Cost efficient – Resource efficient



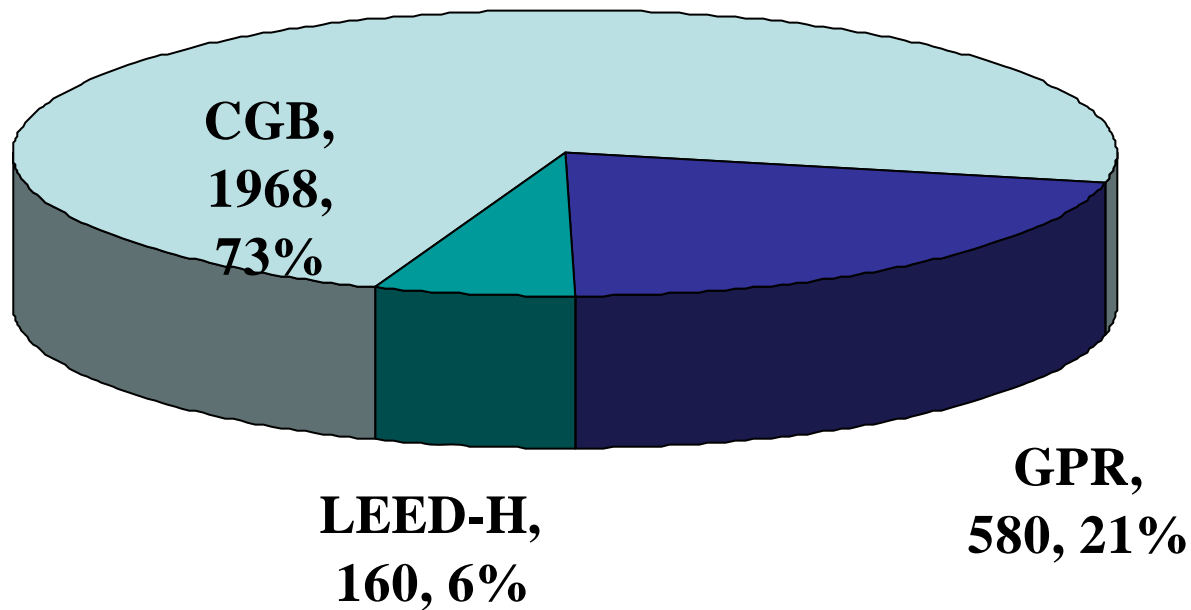


# State & National Recognition

- Flex Your Power Award (May '07)
- California Energy Commission (May '06)
- California League of Cities (Oct '05)
- National Association of Home Builders  
2005 Green Program of the Year (Mar '05)



# Certified Units in CA (as of 5/08/08)





**Energy**



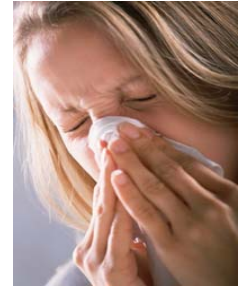
**Water**



**Waste**



**Wood**



**Air Quality**

# HERS Verified



# CGB Components



- Energy

  - Improved energy efficiency by 15% over Title24

- Advanced Ventilation

  - Engineer HVAC systems

  - Tight HVAC ducts

  - ACCA Manual J, D and S

  - MERV 6 HVAC filters

  - Low or no VOCs for paint, lacquers, floor underlayment and carpet



# CGB Components



- **Water Conservation**

  - Reduce water consumption > 20,000 gallons of water/year

  - Innovative plumbing and fixtures

  - Front yard landscaping requirements

- **Waste Diversion**

  - Diverts a minimum of 50% construction waste from local landfills

- **Wood Conservation**

  - Promotes the use of certified Sustainable forest and engineered wood products

\*All features certified by CGB HERS rater\*





# Your Mileage May Vary

Added cost per home (2000 sf house, 100 unit community)

15% over title 24	\$1500
HVAC design	\$25
WBIC	\$250
Additional water measures	\$300
Waste diversion measures	\$0
Wood conservation measures	\$0
3rd party inspections	\$500
Certification	\$54

~\$2700 per house additional





# California Green Builder Process

- Certification Process

Plan review

EE, air quality, resource efficiency and water

Waste diversion plan

HERS ratings at final

- Periodic site inspections

- Periodic Reports

HERS Certificates

Waste Diversion

The image shows several overlapping forms. The most prominent one is the 'WASTE MANAGEMENT PLAN' for a 'CA Green Builder - Waste Management Plan'. It includes sections for 'RECYCLING MARKETS/BARRIERS' and 'CLEAN CONTAINER SYSTEM'. Other forms include 'CONCRETE RECYCLING' and 'CLEANER' sections, all with various checkboxes and text boxes. The forms are dated February 2010.





# Environmental Benefits

<b>Total For Community: 38 Units</b>	
<b>kWh Saved (per year)</b>	<b>54,761</b>
<b>kWh Generated (per year)</b>	<b>94,824</b>
<b>Therms of Gas Saved (per year)</b>	<b>8,474</b>
<b>Number of Trees Saved</b>	<b>2,497</b>
<b>Waste Diverted</b>	<b>123.30</b>
<b>Water Saved (Gallons per year)</b>	<b>3,261,559</b>
<b>Greenhouse Gasses (CO<sub>2</sub>)</b>	<b>281,325.4</b>





# Green Builder Communities

- Cambridge Homes
- Castle & Cooke
- Centex Homes – San Luis Obispo
- Clarum Homes
- Frontier Community Builders
- Lennar Homes-Valencia
- MBK Homes
- Pacific Union Homes
- Pardee Homes – San Diego
- Tim Lewis Communities
- Treasure Homes
- Victory Homes
- Warmington
- Wathen Castanos

14 home builders representing 53 communities and over 6,400 California Green Builder homes

**The California Green Builder program is one of the largest green builder programs in California and the nation.**





[www.cagreenbuilder.org](http://www.cagreenbuilder.org)

[www.bewaterwise.com](http://www.bewaterwise.com)

[www.mwdh2o.com](http://www.mwdh2o.com)

[www.bira.org](http://www.bira.org)

[www.gosolarcalifornia.com](http://www.gosolarcalifornia.com)

[www.consol.ws/CALBO](http://www.consol.ws/CALBO)

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