

RESIDENTIAL HOME PERFORMANCE IN CALIFORNIA



**Southern California
Building Performance
Contractor Exchange**

**Jan 26th, 2010
Downey, CA**

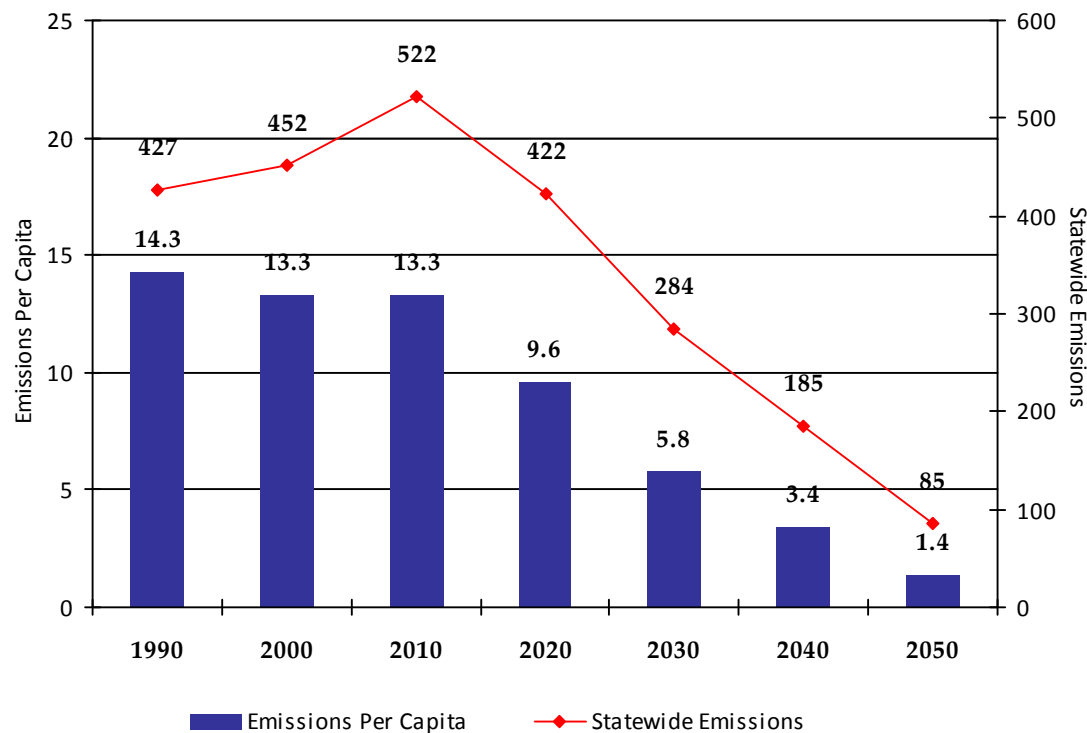
OPPORTUNITIES FOR CONTRACTORS TO SAVE ENERGY AND CREATE JOBS

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California Public Utilities Commission



MEETING THE “AB 32” CHALLENGE

CREATES JOBS FOR CALIFORNIANS



Meeting California's GHG goals will require dramatically increasing energy efficiency home performance retrofits.

In the next three years alone, CPUC estimates that up to 16,000 jobs could be created

REVISIONING ENERGY EFFICIENCY

Public purpose programs will seek and utilize contractor input to ensure effective program design and job creation to meet California's energy efficiency and GHG goals

- Comprehensive retrofits will create jobs and increase energy savings per consumer dollar spent



- Program focus on training, outreach and verification to ensure deep and energy savings in every home

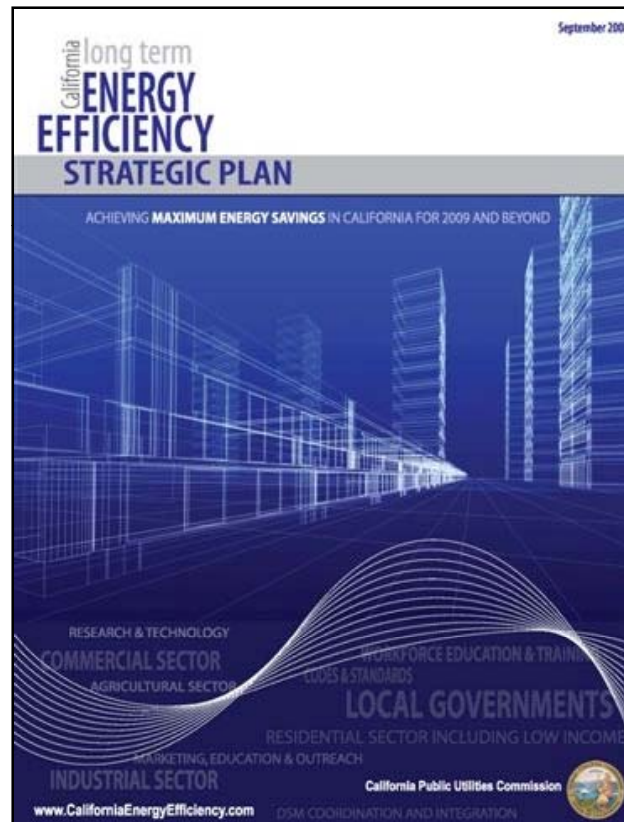


- State agency, utility, local government and small business collaboration is key



STRATEGIC PLAN FOR ENERGY EFFICIENCY

- **Residential (including Low Income)**
- Commercial
- Industrial
- Agriculture
- **Heating Ventilation & Air Conditioning**
- Codes and Standards



- Integrated Energy Demand Side Management
- Workforce Education & Training
- Marketing Education & Outreach
- Research & Technology
- Local Governments

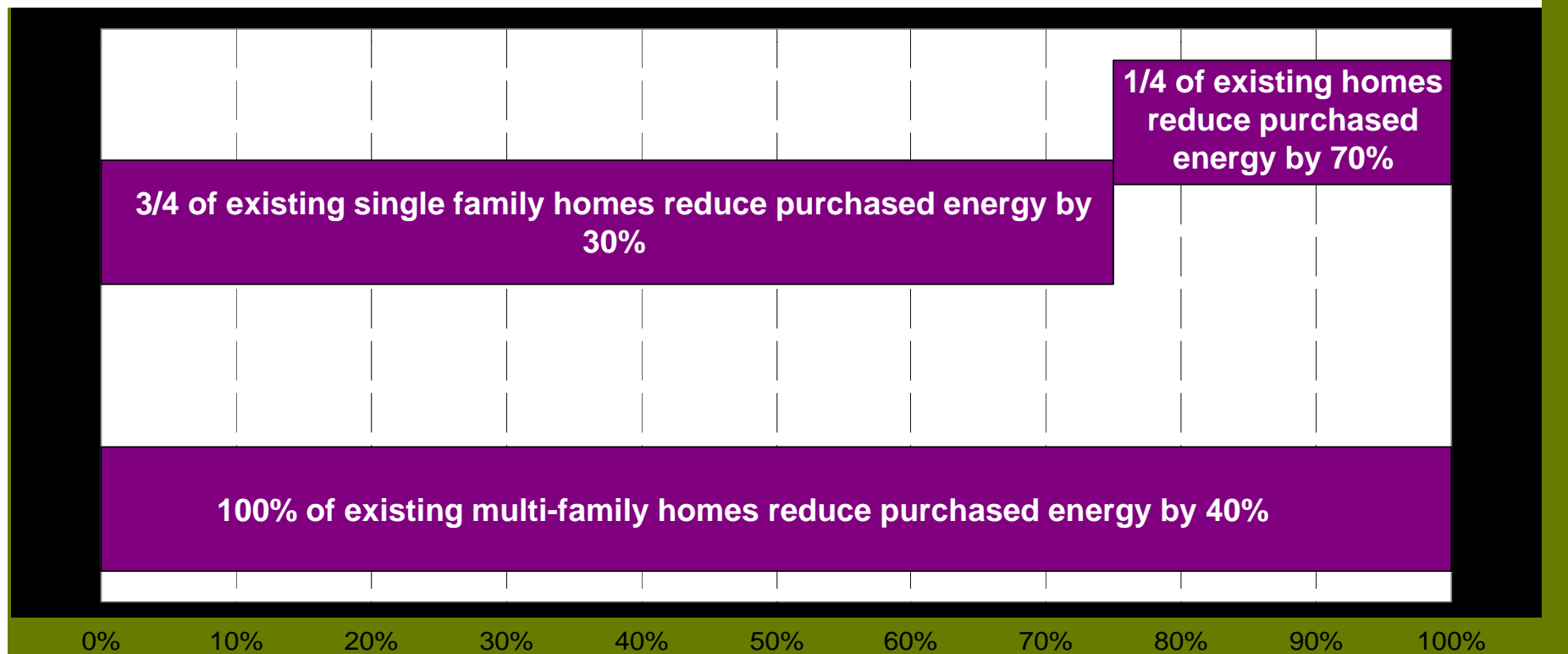
**Adopted Sept. 2008
by CPUC; endorsed
by CEC and CARB**

RESIDENTIAL GOAL:

40% ENERGY DEMAND REDUCTION

By 2020, reach all California homes with attractive financing for comprehensive whole house energy efficiency retrofit measures.

Include comprehensive audits, home “shell” upgrades, high efficiency HVAC systems, demand response, and distributed renewable energy options.



RESULT:

STATEWIDE HOME RETROFIT FOCUS

CPUC Mandates Utility Statewide Energy Efficiency “Whole House” Retrofit Programs (Sept. 2009)

Key elements of the new programs ^[1]:

-- Establishes 2 program tiers:

(1) “Prescriptive” – offers a set package of measures; energy savings verification not required at each home. **Up to \$1000/home rebated**

(2) “Performance” – requires comprehensive assessment and “test-out” to measure and verify energy savings. **Up to \$3,500/home rebated**

-- Targets 130,000 homes (1% of CA) over 2010-2012

-- Delivers savings of 20% or greater per household

-- Designed to be compatible with new Federal programs (HOMESTAR)

-- Coordinates with CEC disbursement of federal stimulus funds and new municipal financing programs

[1] “Utility” refers here only to the investor-owned utilities regulated by the CPUC (PG&E, SCE, SDG&E, SCG)
Detailed discussion can be found in pages 104-119 of the D. 09-09-047 available at:
http://docs.cpuc.ca.gov/word_pdf/AGENDA_DECISION/107378.pdf

RESIDENTIAL GOALS

2010-2012 Near Term Actions

- **Contractor outreach and training blitz (now- October, 2010)**
- Marketing campaigns to drive consumer demand (April 2010 and on)
- Contractors, local gov't, utilities launch home retrofit work (April and on)
- New financing mechanisms hit the streets (June-October 2010)
- Local governments Residential Energy Conservation Ordinances (RECOs)
- Home energy management tools, especially Smart-meter based
- **Join Us!**

