

California Long Term Energy Efficiency Strategic Plan (CPUC, 2008)

The *Long Term Energy Efficiency Strategic Plan (Plan)* was developed through a collaborative process involving the California Public Utilities Commission's (CPUC) regulated utilities and over 500 individuals and organizations working together over an eleven-month period. This *Plan* sets forth a roadmap for energy efficiency in California through the year 2020 and beyond. It articulates a long-term vision and goals for each economic sector and identifies specific near-term, mid-term and long-term strategies to assist in achieving those goals

Several chapters in the *Plan* address existing residential and nonresidential buildings. The objective is to reach all existing homes and 50 percent of existing commercial buildings, and maximize their energy efficiency potential through delivery of comprehensive packages. These packages will be designed to include cost-effective deep levels of energy efficiency improvements including building shell upgrades, high-efficiency HVAC units, high performance lighting technologies and emerging deep energy reduction initiatives; and finally clean distributed generation. The *Plan* envisions refocusing utility programs from "widget-based" to program approach, offering comprehensive packages including audits, demand side management and tools, rebates, financing services, and installation services.

A key driver for success of this approach is to create demand for more efficient homes and commercial buildings through increasing awareness of and information on energy efficiency. Marketing of Energy Upgrade California statewide web portal will be closely coordinated with launch of a new statewide energy efficiency brand, Engage 360.

California Long Term Energy Efficiency Strategic Plan - Existing Residential Buildings:

Homes account for 32% of state electricity and 35% state natural gas consumption

Goal 2: Transform home improvement markets to apply whole-house energy solutions to existing homes. By 2020,

- 25% of existing homes will achieve 70% decrease in purchased energy, relative to 2008 levels
- 75% of existing homes will achieve 30% decrease in purchased energy, relative to 2008 levels
- 100% of existing multi-family homes will achieve 40% decrease in purchased energy, relative to 2008 levels

Goal 3: Develop comprehensive, innovative initiatives to reverse the growth of plug load energy consumption through technological and behavioral solutions.

Goal 4: Transform the residential lighting market through technological advancement and innovative utility initiatives.

California Long Term Energy Efficiency Strategic Plan – Existing Commercial Buildings:

Goal 2: 50 percent of existing commercial buildings will be retrofit to zero net energy by 2030 through achievement of deep levels of energy efficiency and with the addition of clean distributed generation

Goal 3: Transform the Commercial lighting market through technological advancement and innovative utility initiatives.

Total Program Funding (2010-2012) \$314.9 million +

- \$116 million Investor Owned Utility Residential Whole House Programs
- \$33 million California Statewide Community Development Association contract (SEP)
- \$50 million Comprehensive Residential Retrofit programs (SEP)
- \$40 million Commercial/Municipal Targeted Measures Retrofit programs (SEP)
- \$12.9 million Direct Energy Efficiency and Conservation Block Grants
- \$20 million Clean Energy Workforce Development Program
- \$30 million DOE Better Buildings Program
- \$13 million Employment Development Department Workforce Investment Act (WIA)
- Additional local government EECBG and WIA funds