

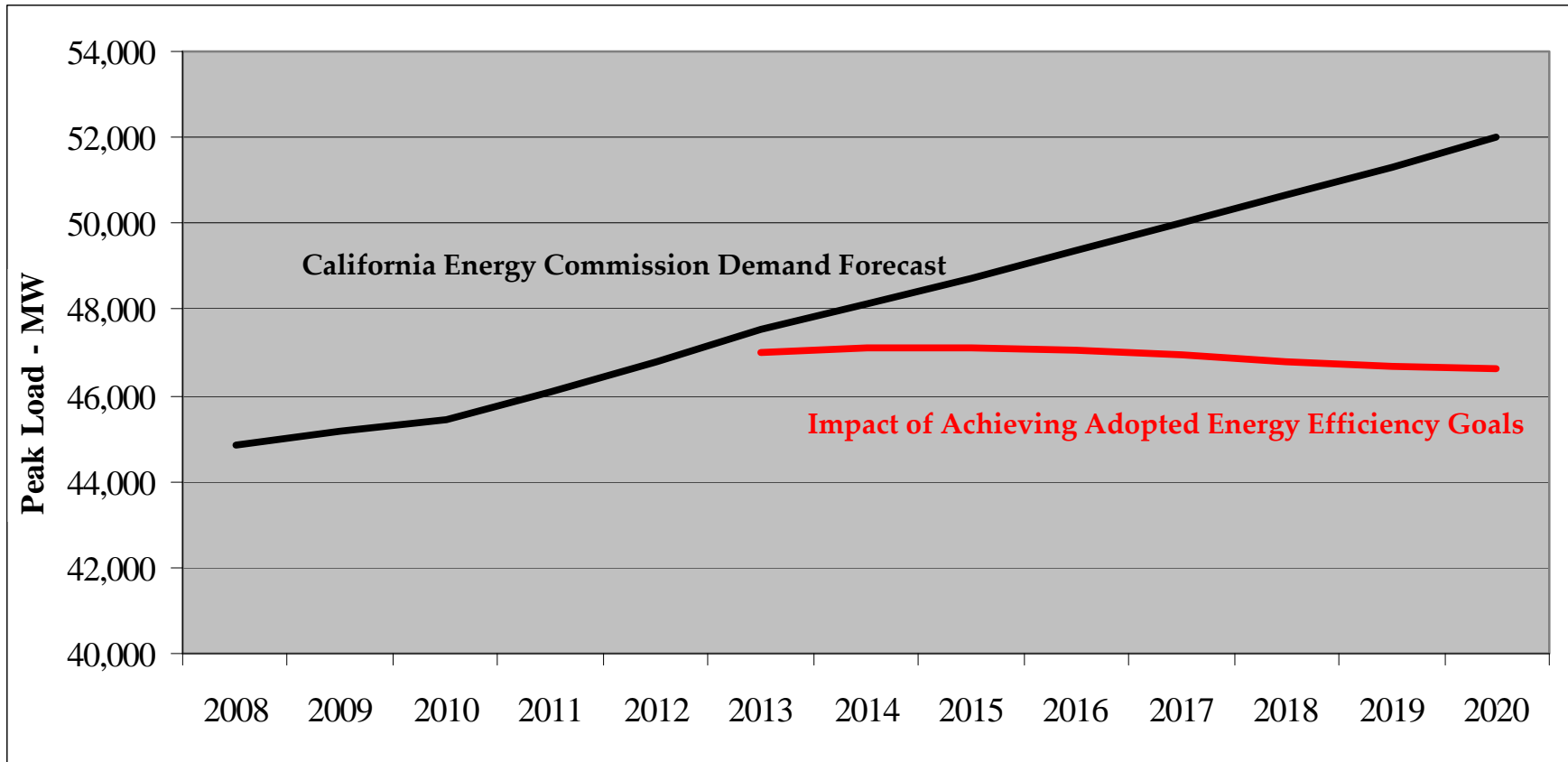


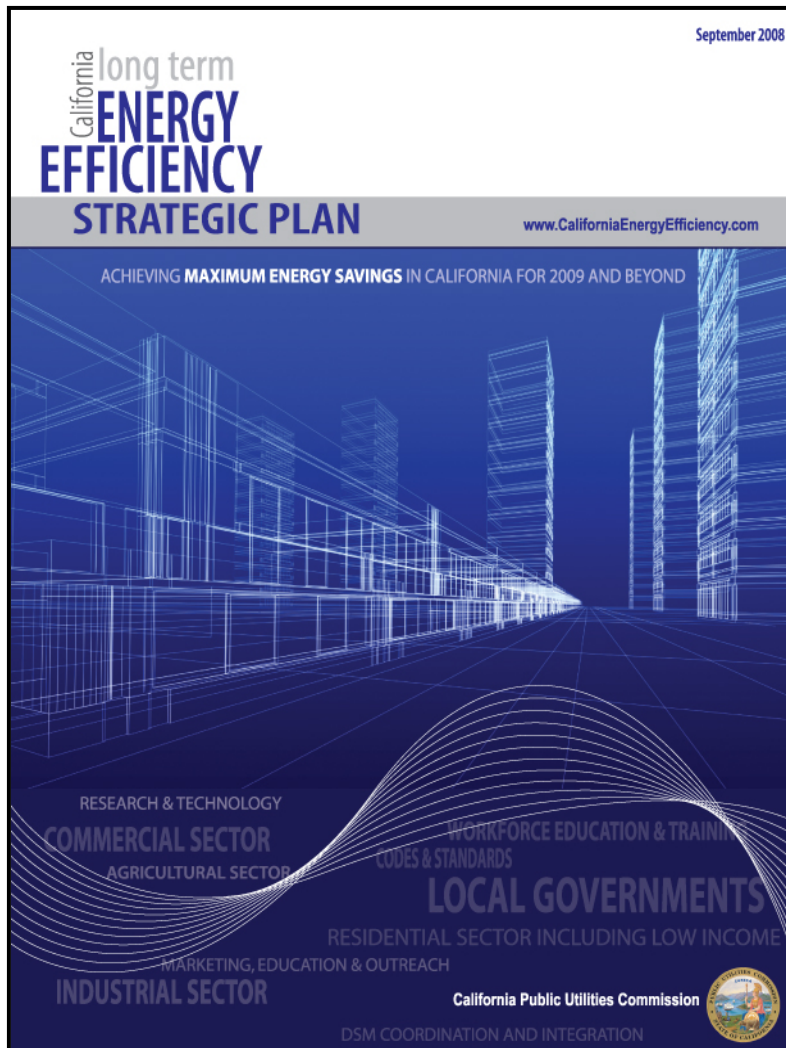
The Negawatt: Energy Efficiency Programs and Progress

Senate Utility and Commerce Committee

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Achieving Adopted Energy Efficiency Goals Will Significantly Reduce Peak Load Growth





The California Long Term Energy Efficiency Strategic Plan

www.californiaenergyefficiency.com

Contents of the Strategic Plan



All Economic Sectors

- Residential, including Low Income
- Commercial
- Industrial
- Agricultural

Cross-Cutting Areas

- Heating, Ventilation, Air Conditioning
- Codes & Standards
- Demand Side Management Integration
- Workforce Education & Training
- Marketing, Education & Outreach
- Research & Technology
- Local Governments

Implementing the Strategic Plan: 2010-2012 Programs



- \$3.8 Billion in funding
 - \$3.13 billion for general energy efficiency programs
 - \$750 million for low income homes and appliances
- Three Year Savings Potential:
 - ◆ 7,000 GWH ◆ 1,500 MW ◆ 150 MMTherms
 - 3 million tons of CO₂e avoided**
 - Equivalent to 3 large power plants

Economic Impact: 2010-2012 Snapshot



- 15,000 – 20,000 new jobs
- \$122 million for workforce training
- \$260 million for local government programs

**Job benefits calculated based on Council of Economic Advisers' May 2009 publication of "Estimates of Job Creation from the American Recovery and Reinvestment Act of 2009"*

Program Highlights



- 12 Statewide Programs
- Largest Home Retrofit Program in the U.S. (4/10)-
 - 120,000 homes, 20% average savings, leverages CEC ARRA funding, major new jobs
- Statewide Education Campaign to Create Behavior Change
- Commercial and Government Building Benchmarking - \$7 million
- Web Portal for Efficiency Professionals
- Review of Best Practices for Measurement and Verification

Measuring Progress



- Success of California's Energy Efficiency depends on effective Evaluation, Measurement and Verification (EM&V)
- Preliminary EM&V of 2006-08 EE Programs
 - 90% of all savings evaluated, focusing on high-impact measures
 - High saturation of many CFL markets
- Consistent with the Strategic Plan, 2010-2012 programs already adjusted toward new, high-impact measures
- Commission has initiated comprehensive review of its EM&V practices